# RESUME


## MR.SORNSIN SRISENSUI

267 ,.20 T.KUDDINCHI A.NAKLANG, NONHBUALAMPOO PROVINCE

MOBILE PHONE : [+66] 093-1247562


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## WORK EXPERIENCE

JULY 2,2023 TO JUNE 6, 2025

| | | |
|---|---|---|
| COMPANY | : | CHEMO AHARON LTD |
| POSITION | : | WELDER GTAW |
| | : | WELDER GTAW+SAMW |
| MATERIAL | : | P. 1 + P 1 / P 6 + P 2 |
| PROJECT | : | INTEL SPARROW PROJECT ( ISRAEL ) |

JUNE 13, 2022

| | | |
|---|---|---|
| COMPANY | : | BJC HEAVY INDUSTRIES PUBLIC COMPANY LIMITED |
| POSITION | : | WELDER GTAW |
| | : | WELDER GTAW+SAMW |
| MATERIAL | : | P. 1 + P 1 / P 6 + P 4 |
| PROJECT | : | CRSP PROJECT |

SEPTEMBER 28, 2021

| | | |
|---|---|---|
| COMPANY | : | CTCI (TAILAND) |
| POSITION | : | WELDER GTAW |
| | : | WELDER SMAW |
| MATERIAL | : | 6.5 |
| PROJECT | : | PTT LNG NONG FAV RECEVING TERMINAL PROJECT |

AUGUST 5, 2021

| | | |
|---|---|---|
| COMPANY | : | DYNA-MAC ENGINEERING SERVICES PTE LTD |
| POSITION | : | WELDER GTAW / 15.3 MM |
| MATERIAL | : | P. 10H |
| PROJECT | : | FPSO PROJECT |
| LOCATION | : | SINGAPORE |

JUNE 24, 2021

| | | |
|---|---|---|
| COMPANY | : | VATANA PHAISAL ENGINEERING CO.,LTD |
| POSITION | : | WELDER GTAW / 11.08 |
| MATERIAL | : | P. 1- P 1 |
| PROJECT | : | PROPANE /LPG FEED PIPELINE MODIFICATION FOR OPM PROJECT |

## WORK EXPERIENCE

JANUARY 15, 2021

| | | |
|---|---|---|
| COMPANY | : | UNIMIT ENGINEERING PUBLIC COMPANY LIMITED |
| POSITION | : | WELDER GTAW / 11.08MM |
| MATERIAL | : | F -NO . 6 |
| PROJECT | : | WORK SHOP PROJECT |

OCTOBER 28, 2020

| | | |
|---|---|---|
| COMPANY | : | TTCL PUBLIC COMPANY LIMITED |
| POSITION | : | WELDER GTAW + SMAW CARBON STEEL P-NO.1 2-7/8" OD : ALL |
| MATERIAL | : | P. 1- P 15F,34,41-49 |
| PROJECT | : | MOCD2 PROJECT |

SEPTEMBER 01, 2020

| | | |
|---|---|---|
| COMPANY | : | TRC CONSTRUCTION PUBLIC COMPANY LIMITED |
| POSITION | : | WELDER GTAW , GTAW+SMAW 1'OD , 2 7/8" OD, : ALL |
| MATERIAL | : | P.1-15F , P34, P41-P49 |
| PROJECT | : | CLEAN FUEL PROJECT |

DECEMBER 30, 2019 TO JUNE 06, 2020

| | | |
|---|---|---|
| COMPANY | : | MURRAY & ROBERTS POWER & ENERGY |
| POSITION | : | WELDER |
| PROJECT | : | SAPPI PROJECT |

OCTOBER 25, 2019

| | | |
|---|---|---|
| COMPANY | : | INTERNATION HEAT TRANSFER EQUIPMENTS CONSTUCTION CO.,LTD |
| POSITION | : | WELDER GTAW , GTAW+SMAW 25MM OD, 73MM OD |
| MATERIAL | : | P.1-15F , P34, P41-P49 |
| PROJECT | : | OLEFINS RECONFIGURATION PROJECT [ORP] |

JUNE 25, 2019

| | | |
|---|---|---|
| COMPANY | : | GC POLYOLS |
| POSITION | : | WELDER GTAW / 21.94MM / ER-316L |
| | : | WELDER SMAW / 21.94MM / ER2209L-15 |
| MATERIAL | : | A-790 |
| PROJECT | : | POLYOLS PROJECT |

## WORK EXPERIENCE

DECEMBER 11, 2018

| | | |
|---|---|---|
| COMPANY | : | GC POLYOLS |
| POSITION | : | WELDER GTAW / 11.08„ / ER70S-6 |
| | : | WELDER GTAW+SMAW / 12.04MM / |
| MATERIAL | : | P-NO. 1 |
| PROJECT | : | POLYOLS PROJECT |

MAY 18, 2017

| | | |
|---|---|---|
| COMPANY | : | STP&I PUBLIC COMPANY LIMITED |
| POSITION | : | WELDER GTAW / 60.3 MM ER308L |
| | : | WELDER GTAW +SMAW/ 168.3 MM ER308L , ER308L-15 |
| MATERIAL | : | P.1-1 |

AUGUST 25, 2016

| | | |
|---|---|---|
| COMPANY | : | MASTER SOLUTION CO.,LTD |
| POSITION | : | WELDER SMAW |
| PROJECT | : | ENERGY & ENVIRONMENT IMPROVE,EMT PROJECR PHASE 1 |

MAY 30, 2016

| | | |
|---|---|---|
| COMPANY | : | SINO-THAI ENGINEERING & CONSTRUCTION PUBLIC CO.,LTD |
| POSITION | : | WELDER GTAW 6G |
| PROJECT | : | 12 SPP POWER PLANT PROJECT |

JUNE 18, 2015

| | | |
|---|---|---|
| COMPANY | : | SINO-THAI ENGINEERING & CONSTRUCTION PUBLIC CO.,LTD |
| POSITION | : | WELDER GTAW 6G |
| PROJECT | : | 12 SPP POWER PLANT PROJECT |

MARCH 26, 2014

| | | |
|---|---|---|
| COMPANY | : | SINO-THAI ENGINEERING & CONSTRUCTION PUBLIC CO.,LTD |
| POSITION | : | WELDER SMAW 3G , 4G |
| PROJECT | : | U-THAI POWER PLANT |

Passport No.
AC8172978

OFFICIAL OBSERVATIONS

The holder of this passport has previously travelled on Passport No. AD0662406 issued by the Ministry of Foreign Affairs in Bangkok on 30 JAN 2023.

Passport Division, Bangkok.

PASSPORT
หนังสือเดินทาง

KINGDOM OF THAILAND
ราชอาณาจักรไทย

Type / ชนิด: PP
Country Code / รหัสประเทศ: THA
Passport No. / หนังสือเดินทางเลขที่: AC8172978

Surname / นามสกุล: SRISENSUI
Title / Name / คำนำหน้าชื่อ / ชื่อ: MR. SORNSIN
Name in Thai / ชื่อภาษาไทย: นาย ศรสิน ศรีเสนสุย
Nationality / สัญชาติ: THAI
Date of Birth / วันเกิด: 29 NOV 1991
Identification No. / เลขประจำตัวประชาชน: 1411400205136
Sex / เพศ: M
Place of Birth / สถานที่เกิด: UDON THANI
Height / ส่วนสูง: 165M
Issuing Authority / หน่วยงานที่ออก: MINISTRY OF FOREIGN AFFAIRS
Date of Issue / วันที่ออก: 11 DEC 2025
Holder's Signature / ลายมือชื่อผู้ถือหนังสือเดินทาง
Date of Expiry / วันที่หนังสือเดินทางหมดอายุ: 10 DEC 2035

PPTHASRISENSUI<<SORNSIN<<<<<<<<<<<<<<<<<<<<<<
AC81729786THA9111299M3512104141400205136<88

RNC

RENEWCOILS ENGINEERING & SUPPLY CO., LTD
59 M.8 HIGHWAY 36 T.TABMA A.MUANG RAYONG THAILAND 21000
TEL. +66 (0)33010-812

# CERTIFICATE

September 29, 2025

This is to certify that **MR. SORNSIN SRISENSUI** has been working under our being employed by **RENEWCOILS ENGINEERING & SUPPLY CO., LTD** During **September 15, 2025 to the present.** The period he working with dependability and us he has shown enthusiasm in all work allocated to his and executed them witch good **WELDER**. he was a definite asset to the operation.

We have great pleasure in recommendation his for any employment in a similar capacity to your organization.

(MR.CHANNARONG VEERABANJERD)
HUMAN RESOURCES MANAGER

Human resources department
Tel :033 010 812 ext. 201

RNC RENEWCOILS ENGINEERING & SUPPLY CO.,LTD

# WELDER PERFORMANCE QUALIFICATION (WPQ)

(See QW-301, Section IX, ASME Boiler and Pressure Vessel Code)



Welder's Name: Mr.Somsin Srisensui  Identification no.: RNC-W-339

Project Name: Maintenace Hot work for MTA 2025 Pack A (Thai oil Plant)

## Test Description

Identification of WPS followed: RNC-WPS-047  ■ Test coupon  ☐ Production weld  Date welded: 17/Jun/25

Specification and type/grade or UNS Number of base metal(s): A106 Gr.B  Thickness: 5.54 mm.

### Testing Variables and Qualification Limits

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding process (es) | GTAW | GTAW |
| Type (i.e.,manual,semi-automatic) used | Manual | Manual |
| Backing (with/without) | Without Backing | With or Without Backing |
| ☐ Plate ■ Pipe (enter diameter of pipe or tube) | NPS 2 | OD 1" to Unlimited |
| Base metal P-Number to P-Number | P-No.1 to P-No.1 | |
| Filler metal or electrode specification (s) (SFA) (info.only) | 5.18 | |
| Filler metal or electrode classification(s) (info. Only) | ER70S-6 | |
| Filler metal F-Number (s) | F No.6 | F No. 6 |
| Consumable insert (GTAW or PAW) | None | Not Permitted |
| Filler Metal Product Form (solid/metal or flux cored/powder)(GTAW or PAW) | Solid | Solid |
| Deposit thickness for each process: | | |
| Process 1: GTAW 3 layers minimum ☐ Yes ■ No | 5.54 mm. | 11.08 mm. |
| Process 2: ____ 3 layers minimum ☐ Yes ☐ No | N/A | N/A |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All (Fillet All) |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW,PAW,GMAW) | Without backing | With / Without Backing |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC,DCEP,DCEN) | DCEN | DCEN |

### RESULTS

Visual examination of completed weld (QW-302.4): QLT-RNC-WQT-049 31/32 (Acceptable)

☐ Transverse face and root bends (QW-462.3(a)) ☐ Longitudinal bends (QW-462.3(b)) ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay (QW-462.5(c))

☐ Plate bend specimen, corrosion-resistant weld metal overlay (QW-462.5(d))

☐ Pipe specimen, macro test for fusion (QW-462.5(b)) ☐ Plate specimen, macro test for fusion (QW-462.5(e))

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative Volumetric Examination Results (QW-191): Report No. RT-WQT-5-047  RT ■ or UT ☐ (check one)

Fillet weld-fracture test (QW-181.2): -  Length and percent of defects: -

☐ Fillet welds in plate (QW-462.4(b)) ☐ Fillet welds in pipe (QW-462.4(c))

Macro examination (QW-184): -  Fillet size (in): -  Concavity/convexity (in): -

Other:

Film or specimens evaluated by: Mr.Santi T.  Company: PAE Technical Service Public Company Limited

Mechanical test conducted by: -  Laboratory test no.:

Welding supervised by: Mr.Chandchai N.

We certify that the statements in this record are correct and that the test coupons were prepared, Welded and tested in accordance with the requirements of Section IX of the **ASME BOILER AND PRESSURE VESSEL CODE**.

Prepared by: _____ (Mr.Chatpong I. / Welding Engineer)

Certified by: _____ 17-Jun'25 (Mr.Chaisak S. / QA / QC Manager)

Approved by: _____ 10/07/25 (Owner)

RNC RENEWCOILS ENGINEERING & SUPPLY CO.,LTD

## WELDER PERFORMANCE QUALIFICATION (WPQ)

(See QW-301, Section IX, ASME Boiler and Pressure Vessel Code)



Welder's Name: Mr.Somsin Srisensui  Identification no.: RNC-W-339

Project Name: Maintenace Hot work for MTA 2025 Pack A (Thai oil Plant)

### Test Description

Identificaylon of WPS followed: RNC-WPS-048  ■ Test coupon ☐ Production weld  Date welded: 17/Jan/25

Specification and type/grade or UNS Number of base metal(s): A106 Gr.B  Thickness: 7.11 mm.

### Testing Variables and Qualification Limits

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding process (es) | GTAW+SMAW | GTAW+SMAW |
| Type (i.e.,manual,semi-automatic) used | Manual | Manual |
| Backing (with/without) | Without Backing | With or Without Backing |
| ☐ Plate ■ Pipe (enter diameter if pipe or tube) | NPS 6 | OD 2⅜" to Unlimited |
| Base metal P-Number to P-Number | P-No.1 to P-No.1 | P-No.1 through P-No.15F, P-No.34 and P-No.41 through P-No.49 |
| Filler metal or electrode specification (s) (SFA) (info.only) | 5.18 + 5.1 | |
| Filler metal or electrode classification(s) (info. Only) | ER70S-G + E7016 | |
| Filler metal F-Number (s) | F No.6 + 4 | F No. 6 + 4 |
| Consumable insert (GTAW or PAW) | None | Not Permitted |
| Filler Metal Product Form (solid/metal or flux cored/powder)(GTAW or PAW) | Solid | Solid |
| Deposit thickness for each process: | | |
| Process 1: GTAW 3 layers minimum ☐ Yes ■ No. | 3 mm. | 6 mm |
| Process 2: SMAW 3 layers minimum ■ Yes ☐ No. | 4.11 mm. | 8.22 mm. |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All (Fillet All) |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW,PAW,GMAW) | Without backing | With / Without Backing |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC,DCEP,DCEN) | DCEN | DCEN |

### RESULTS

Visual examination of completed weld (QW-302.4): QLT-RNC-WQT-049 31/32 (Acceptable)

☐ Transverse face and root bends (QW-462.3(a)) ☐ Longitudinal bends (QW-462.3(b)) ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay (QW-462.5(c))

☐ Plate bend specimen, corrosion-resistant weld metal overlay (QW-462.5(d))

☐ Pipe specimen, macro test for fusion (QW-462.5(b)) ☐ Plate specimen,macro test for fusion (QW-462.5(e))

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative Volumetric Examination Results (QW-191): Report No. RT-WQT-052  RT ■ or UT ☐ (check one)

Fillet weld-fracture test (QW-181.2): -  Length and percent of defects: -

☐ Fillet welds in plate (QW-462.4(b)) ☐ Fillet welds in pipe (QW-462.4(c))

Macro examination (QW-184): -  Fillet size (in): -  Concavity/convexity (in): -

Other: -

Film or specimens evaluated by: Mr.Suriyon S.  Company: Qualitech Public Company Limited

Mechanical test conducted by: -  Laboratory test no.: -

Welding supervised by: Mr.Chanchai N.

We certify that the statements in this record are correct and that the test coupons were prepared, Welded,and tested in accordance with the requirements of Section IX of the ASME BOILER AND PRESSURE VESSEL CODE.

Prepared by: (18-Jan-25)
Mr.Chaipong ..
(Welding Engineer)

Certified by: 03-Jan-25
Mr.Chaisat S.
(QA / QC Manager)

Approved by: 10/07/2025
(Owner)

RNC RENEWCOILS ENGINEERING & SUPPLY CO.,LTD

## WELDER PERFORMANCE QUALIFICATION (WPQ)

(See QW-301, Section IX, ASME Boiler and Pressure Vessel Code)



Welder's Name: Mr.Sornsin Sriensui  Identification no.: RNC-W-339

Project Name: Maintenace Hot work for MTA 2025 Pack A (Thai oil Plant)

### Test Description

Identification of WPS followed: RNC-WPS-016 ■ Test coupon ☐ Production weld  Date welded: 30/Jun/25

Specification and type/grade or UNS Number of base metal(s): A335 P5  Thickness: 10.97 mm.

### Testing Variables and Qualification Limits

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding process (es) | GTAW+SMAW | GTAW+SMAW |
| Type (i.e.,manual,semi-automatic) used | Manual | Manual |
| Backing (with/without) | Without Backing | With or Without Backing |
| ☐ Plate ■ Pipe (enter diameter if pipe or tube) | NPS 6 | OD 2⅜" to Unlimited |
| Base metal P-Number to P-Number | P-No.5B to P-No.5B | P-No.1 through P-No.15F, P-No.34 and P-No.41 through P-No.49 |
| Filler metal or electrode specification (s) (SFA) (info.only) | 5.28 + 5.5 | |
| Filler metal or electrode classification(s) (Info. Only) | ER80S-B6 + E8016-B6 | |
| Filler metal F-Number (s) | F No.6 + 4 | F No. 6 + 4 |
| Consumable insert (GTAW or PAW) | None | Not Permitted |
| Filler Metal Product Form (solid/metal or flux cored/powder)(GTAW or PAW) | Solid | Solid |
| Deposit thickness for each process | | |
| Process 1 GTAW 3 layers minimum ☐ Yes ■ No. | 3 mm. | 6 mm. |
| Process 2 SMAW 3 layers minimum ■ Yes ☐ No. | 7.97 mm. | 15.94 mm. |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All (Fillet All) |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW,PAW,GMAW) | With Backing | With Backing |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC,DCEP,DCEN) | DCEN | DCEN |

### RESULTS

Visual examination of completed weld (QW-302.4): QLT-RNC-WQT-061 8/11 (Acceptable)

☐ Transverse face and root bends (QW-462.3(a))  ☐ Longitudinal bends (QW-462.3(b))  ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay (QW-462.5(c))

☐ Plate bend specimen, corrosion-resistant weld metal overlay (QW-462.5(d))

☐ Pipe specimen, macro test for fusion (QW-462.5(b))  ☐ Plate specimen, macro test for fusion (QW-462.5(e))

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative Volumetric Examination Results (QW-191): Report No. RT-WQT-161  RT ■ or UT ☐ (check one)

Fillet weld-fracture test (QW-181.2): - Length and percent of defects: -

☐ Fillet welds in plate (QW-462.4(b))  ☐ Fillet welds in pipe (QW-462.4(c))

Macro examination (QW-184): -  Fillet size (in): -  Concavity/convexity (in): -

Other: -

Film or specimens evaluated by: Mr.Sumon K.  Company: Qualitech Public Company Limited

Mechanical test conducted by: -  Laboratory test no.: -

Welding supervised by: Mr.Chardchai N.

We certify that the statements in this record are correct and that the test coupons were prepared, Welded,and tested in accordance with the requirements of Section IX of the ASME BOILER AND PRESSURE VESSEL CODE.

Prepared by: 30-Jun-25
Mr.Chatpong J.
(Welding Engineer)

Certified by:
Mr.Chaitat S
(QA / QC Manager)

Approved by: 10/7/25
(Owner)

TRACTEBEL INSPECTION

RNC RENEWCOILS ENGINEERING & SUPPLY CO.,LTD SCGC

## WELDER PERFORMANCE QUALIFICATION (WPQ)

(See QW-301, Section IX, ASME Boiler and Pressure Vessel Code)



Welder's Name: Mr.Sarnsin Sriensui  Identification no.: W-339

Project Name: HCM1 Upgrade Material at Circulation Line EDC

### Test Description

Identification of WPS followed: RNC-WPS-161 ■ Test coupon ☐ Production weld  Date welded: 22-Oct-25

Specification and type/grade or UNS Number of base metal(s): Monel 400 UNS N04400  Thickness: 12.70 mm.

### Testing Variables and Qualification Limits

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding process (es) | GTAW | GTAW |
| Type (i.e. manual,semi-automatic) used | Manual | Manual |
| Backing (with/without) | Without Backing | With or Without Backing |
| ☐ Plate ■ Pipe (enter diameter if pipe or tube) | NPS 8 | OD 2.7/8" to Unlimited |
| Base metal P-Number to P-Number | P-No.42 to P-No.42 | P-No.1 through P-No.15F, P-No.34 and P-No.41 through P-No.49 |
| Filler metal or electrode specification (s) (SFA) (info.only) | 5.14 | |
| Filler metal or electrode classification(s) (info. Only) | ERNiCu-7 | |
| Filler metal F-Number (s) | F No.42 | F No. 42 |
| Consumable insert (GTAW or PAW) | None | Not Permitted |
| Filler Metal Product Form (solid/metal or flux cored/powder)(GTAW or PAW) | Solid | Solid |
| Deposit thickness for each process | | |
| Process 1 GTAW 3 layers minimum ☐ Yes ■ No. | 12.70 mm. | 25.4 mm. |
| Process 2 3 layers minimum ☐ Yes ☐ No. | N/A | N/A |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All (Fillet All) |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW,PAW,GMAW) | With Backing | With Backing |
| Transfer mode (spray/globular or pulse to short circuit GMAW) | N/A | N/A |
| GTAW current type/polarity (AC,DCEP,DCEN) | DCEN | DCEN |

### RESULTS

Visual examination of completed weld (QW-302.4): WQT-S-008 (Accepted)

☐ Transverse face and root bends [QW-462.3(a)]  ☐ Longitudinal bends [QW-462.3(b)]  ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay (QW-462.5(c))

☐ Plate bend specimen, corrosion-resistant weld metal overlay (QW-462.5(d))

☐ Pipe specimen, macro test for fusion[QW-462.5(b)]  ☐ Plate specimen,macro test for fusion [QW-462.5(e)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |

Alternative Volumetric Examination Results (QW-191): Report No. RT-WQT-S-023  RT ■ or UT ☐ (check one)

Fillet weld fracture test (QW-182.2): Length and percent of defects:

☐ Fillet welds in plate [QW-462.4(b)]  ☐ Fillet welds in pipe [QW-462.4(c)]

Macro examination (QW-184): Fillet size (in): Concavity/convexity (in):

Other:

Film or specimens evaluated by: Mr.Santi T.  Company: PAE Technical Service Public Company Limited

Mechanical test conducted by:  Laboratory test no.:

Welding supervised by: Mr.Chardchai N.

We certify that the statements in this record are correct and that the test coupons were prepared, Welded and tested in accordance with the requirements of Section IX of the ASME BOILER AND PRESSURE VESSEL CODE.

Prepared by: 24/10/2025
Mr.Sarnsin K.
(Welder Engineer)

Certified by: 29-OCT-25
Mr.Chetat S.
(QA / QC Manager)

Approved by: Repco
(Owner)

FM-QC-012  Rev.0(25-Jun-13)

CHEMO AHARON

**TO WHOM IT MAY CONCERN**

THIS IS TO CERTIFY THAT THE EMPLOYEE NAMED BELOW HAD BEEN EMPLOYED BY OUR COMPANY FOR THE FOLLOWING PROJECT AND PERFORMED HIS ASSIGNED DUTIES IN CHEMO AHARON LTD.

| | | |
|---|---|---|
| NAME OF EMPLOYEE | : | SORNSIN SRISENSUI |
| PASSPORT NO. | : | AD0662406 |
| EMPLOYMENT PERIOD | : | 02 JULY 2023 - 06 JUNE 2025 |
| POSITION | : | WELDER |
| PROJECT | : | INTEL SPARROW PROJECT (ISRAEL) |

SINCERELY YOURS,

TANACHART AGANISTHAGORN

PROJECT MANAGER

CHEMO AHARON LTD.

| CHEMO AHARON ENERGY INFRASTRUCTURES | Refrence | ASME IX 2021 |
|---|---|---|
| | STANDATD | |
| | Report No. | 22-CHM-INT-113 |

## Welder Qualification test

| Welder Name | Welder No. | Welder Passport | |
|---|---|---|---|
| SORNSIN SRIRENSUI | 2113 | AD0662406 |  |

| | WPS330AS | | | Range of approval | |
|---|---|---|---|---|---|
| Date of Test | 13\07\23 | | | | |
| Welding process(es) | GTAW+SMAW | | | GTAW | SMAW |
| Type (i.e.; manual, semi-automatic) used | Manual | | | Manual | |
| Backing (with/without) | NO | | | without\with | |
| Plate or Pipe (enter diameter if pipe or tube) | 6 | | | 2.375" and up\1" and up | |
| nominal w.th[mm] | 7.2 | | | 14.2 | |
| Base metal P-Number to P-Number | 1 TO 1 | | | 1 TO 13F | |
| Filler metal or electrode specification(s) (SFA) (info. only) | A5.18 | A5.5 | | ---- | |
| Filler metal or electrode classification(s) (info. only) | ER70S-6 | E7018 | | ---- | |
| Filler metal F-Number(s) | 6 | 4 | | ALL F.NO 6 | 1,2,3,4 with Backing |
| Consumable Insert (GTAW or PAW) | NA | | | NA | |
| Filler Metal Product Form (solid/metal or flux cored/powder) | SOLID | N/A | | SOLID | BASIC |
| Deposit thickness for each process(mm) | 6 | 4 | | GROOVE GTAW <=8mm<br>GROOVE SMAW<=8mm<br>Fillet welds all sizes (QW-451.4) | |
| Position qualified (2G, 6G, 3F, etc.) | 6G | | | All position | |
| Vertical progression (uphill or downhill) | Uphill | | | Uphill | |
| Type of fuel gas (OFW) | NA | | | NA | |
| Inert gas backing (GTAW, PAW, GMAW) | NO | | | WITH\WITHOUT | |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | NA | | | NA | |
| GTAW/SMAW current type/polarity (AC, DCEP, DCEN) | DCEN/DCEP | | | DCEN/DCEP | |

| | |
|---|---|
| Visual testing | Acc |
| Radiographic test | 57119 |

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

| Prepared and approved by: | yosi asulin: ICWI | Approved by | Mufeed Hamdan: IWE/CWI | | |
|---|---|---|---|---|---|

Yosi Asulin
ICWI 10074
RT Level II

International Welding Engineer
IWE
Mufeed Hamdan
IWIDAS

| CHEMO AHARON ENERGY INFRASTRUCTURES | Refrence | ASME IX 2021 |
|---|---|---|
| | STANDATD | |
| | Report No. | 22-CHM-INT-113 |

## Welder Qualification test

| Welder Name | Welder No. | Welder Passport | |
|---|---|---|---|
| SORNSIN SRIRENSUI | 2113 | AD0662406 |  |

| | WPS330AS | | WPS-360 | | | Range of approval | |
|---|---|---|---|---|---|---|---|
| Date of Test | 13\07\23 | | 24/08/2023 | | | | |
| Welding process(es) | GTAW /SMAW | | GTAW | | | GTAW | SMAW |
| Type (i.e., manual, semi-automatic) used | Manual | | Manual | | | Manual | |
| Backing (with/without) | NO | | NO | | | without with | |
| Plate or Pipe (enter diameter if pipe or tube) | 6 | | 2 | | | 1 AND UP | |
| nominal w.th[mm] | 7.2 | | 3.3 | | | 1-4.2 | |
| Base metal P-Number to P-Number | 1 TO 1 | | 1 TO 1 | | | 1 TO 1SE | |
| Filler metal or electrode specification(s) (SFA) (info. only) | A5.18 | A5.5 | A5.18 | N/A | | — | |
| Filler metal or electrode classification(s) (info. only) | ER70S-6 | E7018 | ER70S-6 | N/A | | — | |
| Filler metal F-Number(s) | 6 | 4 | 6 | N/A | | ALL F.NO 6 | 1,2,3,4 with Backing |
| Consumable insert (GTAW or PAW) | NA | | NA | | | NA | |
| Filler Metal Product Form (solid/metal or flux cored/powder) | SOLID | N/A | SOLID | N/A | | SOLID | BASIC |
| Deposit thickness for each process(mm) | 6 | 4 | 6 | N/A | | GROOVE GTAW <=6mm<br>GROOVE SMAW<=8mm<br>Fillet welds all sizes (QW-451.4) | |
| Position qualified (2G, 6G, 3F, etc.) | 6G | | 6G | | | All position | |
| Vertical progression (uphill or downhill) | Uphill | | Uphill | | | Uphill | |
| Type of fuel gas (OFW) | NA | | NA | | | NA | |
| Inert gas backing (GTAW, PAW, GMAW) | NO | | NO | | | WITH/WITHOUT | |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | NA | | NA | | | NA | |
| GTAW/SMAW current type/polarity (AC, DCEP, DCEN) | DCEN/DCEP | | DCEN/DCEP | | | DCEN/DCEP | |

| | |
|---|---|
| Visual testing | Acc |
| Radiographic test | 57119+23003D |

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

| Prepared and approved by: | yosi asulin: ICWI | Approved by | Mufeed Hamdan: IWE/CWI | | |
|---|---|---|---|---|---|
| Yosi Asulin icwi 10074 RT Level II | | IWE Mufeed Hamdan | | | |

CHEMO AHARON
ENERGY INFRASTRUCTURES

THAI ASIA PLUS CO.,LTD
บริษัท ไทยเอเชีย พลัส จำกัด

# Certificate of Competent

This completion certificate is awarded to

**Mr.SORNSIN SRISENSUI**

Has attended and successfully completed a Training Course in

**The Duties of Mobile Crane Operator (Hiab Truck), Signal Person and Rigger**

Training Date: 15 – 16 February 2023 Expiry Date: 16 February 2025

2 Days Duration

**Certificate No. Crane2023 1 051**

| | | | |
|---|---|---|---|
| **Mr. Phuchit Chaiyasert** | **Mr.Jarukit Taepho** | **Mr. Nasit Klaharn** | **Mr.Somchat Nakbunjong** |
| **Instructor** | **Instructor** | **Managing Director/THAp** | **Managing Director/KTC** |

CHEMO AHARON
ENERGY INFRASTRUCTURES

THAI ASIA PLUS CO.,LTD
บริษัท ไทยเอเชีย พลัส จำกัด

# Certificate of Competent

This completion certificate is awarded to

**Mr.SORNSIN SRISENSUI**

Has attended and successfully completed a Training Course in

## WORK AT HEIGHT AND ADVANCED SCAFFOLDING

**Ref. BS EN 12811-1:2003 and SG4:15**

Training Date: 12 – 13 February 2023 Expiry Date: 13 February 2025

2 Days Duration

**Certificate No. SCF2023 2 050**

| Mr. Nitikorn Khamhom | Ms.Poonsap Sriarunjarrean | Mr. Nasit Klaharn | Mr.Somchat Nakbunjong |
|---|---|---|---|
| Instructor | Instructor | Managing Director/THAp | Managing Director/KTC |

BJCHI BJC HEAVY INDUSTRIES PUBLIC COMPANY LIMITED

# WELDER PERFORMANCE QUALIFICATION (WPQ)



Welder's Name: Mr. Somsin S. Identification No.: BJC-W-3562

## Test Description

Identification of WPS followed: 07-P-GS-12/12-NI-NP-5/38 ☑ Test coupon ☐ Production weld

Specification and type/grade or UNS Number of base metal(s): A106 Gr. B to A106 Gr. B Thickness: 18.26 mm.

## Testing Conditions and Qualification Limits

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding Process(es) | GTAW + SMAW | GTAW + SMAW |
| Type (i.e; manual, semi-automatic) used | Manual | Manual |
| Backing (with/without) | Without + With | With & Without + With |
| ☐ Plate ☑ Pipe (enter diameter if pipe or tube) | Ø 6" SCH.160 | Plate & Pipe O.D.73 mm. and over |
| Base metal P- or S- Number to P- or S- Number | P1 + P1 | See Note 1 |
| Filler metal or electrode specification(s) (SFA) (info. Only) | 5.18 + 5.1 | |
| Filler metal or electrode classification(s) (info. Only) | ER 70S-3 + E 7018-1 | |
| Filler metal F-Number(s) | 6 + 4 | 6 + 4,3,2,1 |
| Consumble insert (GTAW or PAW) | Without | Without |
| Filler Metal Product form (solid/metal or flux cored/powder) (GTAW or PAW) | Solid wire | Solid wire |
| Deposit thickness for each process | | |
| Process 1: GTAW 3 layers minimun ☐ Yes ☑ No | 4.00 mm. | 8.00 mm. (Max.) |
| Process 2: SMAW 3 layers minimun ☑ Yes ☐ No | 14.26 mm. | Unlimited |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW, PAW, GMAW) | Without | With & Without |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC, DCEP, DCEN) | DCEN | DCEN |

## RESULTS

Visual Examination of Completed Weld (QW-302.4): Accepted

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends [QW-462.3(b)] ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)] ☐ Plate bend specimen, corrosion-resistant weld metal overlay [QW-462.5(d)]

☐ Pipe specimen, Macro test for fusion [QW-462.5(b)] ☐ Plate specimen, Macro test for fusion [QW-462.5(c)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |

Alternative radiographic examination results (QW-191): Accept Report No. RT-BJC-PWQT-S-0437

Fillet weld - fracture test (QW-181.2): N/A Length and percent of defects: N/A

☐ Fillet welds in plate [QW-462.4(b)] ☐ Fillet welds in pipe [QW-462.4(c)]

Macro examination (QW-184): N/A Fillet size (in.): N/A x N/A Convexity/concavity (in.): N/A

Other tests: N/A

Film or specimens evaluated by: Mr. Nepphol K. Company: RENU ENGINEERING INSPECTIONS PTE., LTD

Mechanical tests conducted by: N/A Laboratory test no.: N/A

Welding supervised by: Mr. Nathawut W.

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME BOILER AND PRESSURE VESSEL CODE - 2021 edition.

| | Prepared by | Reviewed by QA/QC Manager | Approved by Client / Third party |
|---|---|---|---|
| Sign | | | |
| Date | 13 JUN 2022 | 13 JUN 2022 | 15 JUN 2022 |

**Note 1:** P-No.1 through P-No.15F, P-No.34, and P-No.41 through P-No.49.

Extend of expiration date for Welder Performance Qualification

| Qualification Type | Qualification Date | Valid from | Expired date | Reference report | Reviewed by | Qualification Type | Qualification Date | Valid from | Expired date | Reference report | Reviewed by |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

BJCHI BJC HEAVY INDUSTRIES PUBLIC COMPANY LIMITED

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# WELDER PERFORMANCE QUALIFICATION (WPQ)

Welder's Name: Mr. Soensin S. Identification No.: BJC-W-3562

## Test Description

Identification of WPS followed: 06-P-G-12/12-NI-NP-1/12 ☑ Test coupon ☐ Production weld

Specification and type/grade or UNS Number of base metal(s): A106 Gr. B to A106 Gr. B Thickness: 8.74 mm.

## Testing Conditions and Qualification Limits

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding Process(es) | GTAW | GTAW |
| Type (i.e; manual, semi-automatic) used | Manual | Manual |
| Backing (with/without) | Without | With & Without |
| ☐ Plate ☑ Pipe (enter diameter if pipe or tube) | Ø 2" SCH.160 | Plate & Pipe O.D.25mm. and over |
| Base metal P- or S- Number to P- or S- Number | P1 - P1 | See Note 1 |
| Filler metal or electrode specification(s) (SFA) (info. Only) | 5.18 | |
| Filler metal or electrode classification(s) (info. Only) | ER 308-3 | |
| Filler metal F-Number(s) | 6 | 6 |
| Consumable insert (GTAW or PAW) | Without | Without |
| Filler Metal Product form (solid/metal or flux cored/powder) (GTAW or PAW) | Solid wire | Solid wire |
| Deposit thickness for each process | | |
| Process 1: GTAW 3 layers minimun ☑ Yes ☐ No | 8.74 mm. | 17.48 mm. (Max.) |
| Process 2: N/A 3 layers minimun ☐ Yes ☐ No | N/A | N/A |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW, PAW, GMAW) | Without | With & Without |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC, DCEP, DCEN) | DCEN | DCEN |

## RESULTS

Visual Examination of Completed Weld (QW-302.4): Accepted

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends [QW-462.3(b)] ☐ Side bends (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)] ☐ Plate bend specimen, corrosion-resistant weld metal overlay [QW-462.5(d)]

☐ Pipe specimen, Macro test for fusion [QW-462.5(b)] ☐ Plate specimen,Macro test for fusion [QW-462.5(c)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |

Alternative radiographic examination results (QW-191): Accept Report No. RT-BJC-PWQT-S-0562

Fillet weld - fracture test (QW-181.2): N/A Length and percent of defects: N/A

☐ Fillet welds in plate [QW-462.4(b)] ☐ Fillet welds in pipe [QW-462.4(c)]

Macro examination (QW-184): N/A Fillet size (in.): N/A x N/A Concavity/convexity (in.): N/A

Other tests: N/A

Film or specimens evaluated by: Mr. Nopphol K. Company: RENU ENGINEERING INSPECTIONS PTE., LTD

Mechanical tests conducted by: N/A Laboratory test no.: N/A

Welding supervised by: Mr. Natharwut W.

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME BOILER AND PRESSURE VESSEL CODE: 2017 Edition.

| | Prepared by | Reviewed by QA/QC Manager | Approved by Client / Third party |
|---|---|---|---|
| Sign | | | |
| Date | 13 JUN 2022 | 13 JUN 2022 | 15 JUN 2022 |

Note 1: P-No.1 through P-No.15F, P-No.34, and P-No.41 through P-No.49.

Extend of expiration date for Welder Performance Qualification

| Qualification Type | Qualification Date | Valid from | Expired date | Reference report | Reviewed by | Qualification Type | Qualification Date | Valid from | Expired date | Reference report | Reviewed by |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
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| | | | | | | | | | | | |

CTCI

บริษัท ซีทีซีไอ (ประเทศไทย) จำกัด
19th Fl., Phairojkijja Tower
825 Debaratana Road, KM. 4
Bangna Nua, Bangna,
Bangkok 10260, Thailand
Tel : 66 (0) 2769 5858
(Auto 100 Numbers)
Fax : 66 (0) 2769 5819
www.ctci.com

Ref No. 2022/EC216

Date : May 15, 2022

To Whom It May Concern:

Subject: Employment Certificate

This is to certify that Mr.Sornsin Srisensui had been employed by CTCI (Thailand) Co., Ltd. As the list below;

- *Temporary Employee ;* ***Welder / BOP AG Piping Erection & Painting work Project***

  Since **September 29, 2021 to May 15, 2022**

Faithfully yours,

Mr.Thaweesak Siriyotha
Site Manager

CTCI (Thailand) Co., Ltd.

WQR No.: CTCIT-WQR-SS-0245
DATE: 28-Sep-21



## WELDER QUALIFICATION RECORD(WQR)

Welder's name: Mr.Siamsak Singsinsa  Welder No.: SWP-110  Identification: 141402067126

### Test Description

Identification of WPS followed: CTCIT-SS-0211  ■ Test coupon  ☐ Production weld  Date Welded: 25-Sep-2021

Specification and Type/grade or UNS Number of base metal(S): A312 GR TP304/304L  Thickness: 5.54 mm

| Variable | | Record Actual Values Used in Qualification | Range Qualified |
|---|---|---|---|
| Welding Process | | GTAW | GTAW |
| Process Type | | Manual | Manual |
| Backing (metal,weld metal, flux, etc.): | | With Out Backing | Without Backing |
| Backing Gas | | ARGON 99.99 % | ARGON 99.99 % |
| Base metal P-No | | P 8 to P 8 | P 8 to P 8 |
| Diameter | ☐ Plate ■ Pipe | 88.33 mm | 25.0 mm and Unlimited |
| Thickness | | 5.54 mm | MAX 11.08 mm |
| Filler Metal Product Form | | Solid | Solid |
| Deposit Thickness For Each Process | | - | - |
| Byas. No. (SFA): | | 5.9 | 5.9 |
| AWS No. (Class) | | ER316L | ER316L |
| F No. | | 6 | 6 |
| Position | Groove | 6G | ALL |
| | Fillet | | ALL |
| Vertical Progression | | UP HILL | UP HILL |
| Gas Type | | ARGON | ARGON |
| Electrical Characteristics | | - | - |
| Current/Polarity | | DCEN | DCEN |
| Other | | | |

### RESULT

Visual examination of completed weld (QW-302.4)  Acceptance Report No. CTCIT-WQR-IT-02

Guided Bend Test (QW-462.2(a), QW-462.3(a), QW-462.3(b))

| Type and Figure No. | Result |
|---|---|
| - | - |
| - | - |

RADIOGRAPHIC TEST RESULTS (QW-304 & QW-305)

Radiographic Results: Acceptance Report No. RP-PSJ-21I002

FILLET WELD TEST RESULTS (See QW-462.4(a), QW-462.4(b))

Fracture Test:

Length and Per Cent of Defects: mm - %

Macro Test Fusion:

Appearance Fillet Size(mm): Convexity - mm; Concavity - mm

Test conducted by: Mr. Adekpinong K.  Laboratory Test No.: SWA TESTING INSPECTION

We certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Code.

SIGNATURE FOR INSPECTION

| Sub-Contractor | Contractor | TP | PMC | PTT LNG |
|---|---|---|---|---|
| NAME | NAME | NAME | NAME | NAME |
| SIGNATURE | SIGNATURE | SIGNATURE | SIGNATURE | SIGNATURE |
| DATE | DATE | DATE | DATE | DATE |
| | | | QA/QC Manager | Witness / Hold Point |
| | | | | Acceptance & Piping Inspector |
| | | | | Reviewed ☐ Approved |

CTCI (Thailand) Co., Ltd.

WELDER QUALIFICATION RECORD(WQR)



WQR No.: CTCIT-WQR-SS-S050
DATE: 28-Sep-21

Welder's name: Mr. Suan [illegible] Welder No.: SWP-111 Identification: [illegible]

Test Description

Identification of WPS followed: CTCIT-SS-704 ■ Test coupon ☐ Production weld Date Welded: 23 Sep. 2021

Specification and Type/grade or UNS Number of base metal(S): A312 GR TP304/304L Thickness: 18.26 mm

| Variable | Record Actual Values Used in Qualification | Range Qualified |
|---|---|---|
| Welding Process | GTAW - SMAW | GTAW / SMAW |
| Process Type | Manual | Manual |
| Backing (weld/weld metal, flux, etc.) | With Out backing / With Backing | With Out backing / With Backing |
| Backing Gas | ARGON 99.99 % / None | ARGON 99.99 % / None |
| Base metal P-No.: | P 8 to P 8 | P 8 to P 8 |
| Diameter ☐ Plate ■ Pipe | 162.26 mm. | 23.2 mm and Unlimited |
| Thickness | 18.26 mm | Unlimited |
| Filler Metal Product Form: | solid | Solid |
| Deposit Thickness For Each Process: | 5.03 mm./13.26 mm. | 10.00 mm. / Unlimited |
| Spec. No. (SFA) | 5.9 / 5.4 | 5.9 / 5.4 |
| AWS No. (Class) | ER-316L / E 316L-15 | ER-316L / E 316L-15 |
| F No. | 6 / 6 | 6 / 6 |
| Position: Groove | 6G | ALL |
| Position: Fillet | - | ALL |
| Vertical Progression | UP HILL | UP HILL |
| Gas Type: | ARGON | ARGON |
| Electrical Characteristics: | | |
| Current/Polarity: | DCEN/DCEP | DCEN/DCEP |
| Other | - | - |

RESULT

Visual examination of completed weld (QW-302.4): Acceptance Report No. CTCIT-WQR-47-037

Guided Bend Test (QW-462.3(a), QW-462.3(a), QW-462.3(d))

| Type and Figure No. | Result |
|---|---|
| | |
| | |

RADIOGRAPHIC TEST RESULTS (QW-304 & QW-305): [illegible]

Radiographic Results: Acceptance Report No. RP-P82-21-0003

FILLET WELD TEST RESULTS (See QW-462.4(a), QW-462.4(b))

Fracture Test: -

Length and Per Cent of Defects: - mm -

Macro Test Results: -

Appearance (Fillet Size,etc): Convexity - mm

Concavity - mm

Test conducted by: Mr. Anaphong K. , Laboratory Test No.: SWA TESTING INSPECTIONS

We certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Code.

SIGNATURE FOR INSPECTION

| Sub-Contractor | Contractor | TP | PMC | PTT LNG |
|---|---|---|---|---|
| CTCI | QA/QC SEP 29 2021 | [illegible] | PMC QAQC | [illegible] |
| NAME | NAME | NAME | NAME | NAME |
| DATE | DATE | DATE | DATE | DATE |
| | | | SWA QC Manager | Mechanical & Piping Unit Reviewed / Approved |

บริษัท ยูนิมิต เอนจิเนียริ่ง จำกัด (มหาชน)



## WELDER PERFORMANCE QUALIFICATIONS (WPQ)

Welder's name: Mr.Sarnsin Srisenimi | ID Card No.: 3-4114-00205-13-6 | Identification No.: UEC-W-137

**Test Description** | Date welded: 14/1/2021

Identification of WPS followed: WPS8-12018 REV.1 ☑ Test Coupon ☐ Production Weld

Specification and type/grade or UNS Number of material (s): A312 TP304 | Thickness: 5.54 m.m. NPS 2"Sch.80s

**Testing Conditions and Qualification Limits**

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding process (es) | GTAW | GTAW |
| Type (i.e. manual, semi-auto) used | MANUAL | MANUAL |
| Backing (with / without) | WITHOUT | WITH OR WITHOUT |
| ☐ Plate ☑ Pipe (enter diameter if pipe or tube) [QW-452.3] | NPS 2"(OD.60.3 mm) | 1"(OD.25 mm) and Over |
| Base metal P- Number to P- Number [QW-423.1] | P No.8 to P No.8 | P No.8 to P No.8 |
| Filler metal or electrode Specification(s) (SFA) (info. only) | 5.9 | |
| Filler metal or electrode Classification(s) (info. only) | ER308L | |
| Filler metal F-Number (s) | 6 | 6 |
| Consumable insert for (GTAW or PAW) | NONE | NONE |
| Filler Type (solid/metal or flux cored/powder) [GTAW or PAW] | SOLID | SOLID |
| Deposit thickness for each welding process [QW-452.1(b)] | 5.54 m.m | 11.08 m.m |
| Process 1: GTAW 3 layers minimum ☑ Yes ☐ No | | |
| Process 2: ____ layers minimum ☐ Yes ☐ No | | |
| Position Qualified (2G, 6G, 3F, etc.) [QW-461.9] | 6G | ALL |
| Vertical Progression (uphill or downhill) | UPHILL | UPHILL |
| Type of fuel Gas (OFW) | N/A | N/A |
| Use of backing gas (GTAW, PAW, GMAW) | With Backing | With Backing |
| Transfer mode (spray,globular, or plase to short circuit-GMAW) | N/A | N/A |
| GTAW current type and Polarity (AC,DCEP,DCEN) | DCEN | DCEN |

**Results**

Visual Examination of Completed Weld (QW-302.4): Acceptable

☐ Transverse face and root bends [QW-462.3(a)] ☐ Longitudinal bends [QW-462.3 (b)] ☐ Side bends [QW-462.2]

☐ Pipe bend specimen, corrosion-resistant weld metal overlay [QW-462.5(c)]

☐ Plate bend specimen, corrosion-resistant weld metal overlay [QW-462.5(d)]

☐ Pipe specimen, macro test for fusion [QW-462.5(b)] ☐ Plate specimen, macro test for fusion [QW-462.5(e)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative Volumetric Examination Results (QW-191): Acceptable RT ☑ or UT ☐ Report No.: RP-PSI-210457

Fillet weld - fracture Test (QW-181.2): N/A Length and percent of defects: N/A

☐ Fillet weld in plate [QW-462.4(b)] ☐ Fillet welds in pipe [QW-462.4(c)]

Macro examination (QW-184): N/A Fillet size (mm.): N/A x N/A Concavity or convexity (m.m.): N/A

Other tests: N/A

Film or specimens evaluated by: Mr.Ekaraj J. (RT. LEVEL II) Company: Siwa Testing Inspection & Consulting co,ltd

Mechanical tests conducted by: N/A Laboratory test no.: N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure Vessel Code.

Issued Date: Jan 15,2021

| Prepared By | Certified By | Reviewed and Approved by | Accepted |
|---|---|---|---|
| Mr. Pratch Paturaraj 15/1/21 | Amnat Kaewpila | Tank/Piping Inspector 05 May 21 | |
| Unimit / (Welding ENG.) | Unimit / (Quality MGR.) | EPC Contractor | Owner |

Murray & Roberts

Murray & Roberts Power & Energy
Engineers and Constructors

Douglas Roberts Centre
22 Skeen Boulevard
Bedfordview, 2007
P.O. Box 3040
Bedfordview, 2008
South Africa
Tel: + 27 11 456 1000
Fax: + 27 86 206 6794
Email: info@murrob.com
Web: www.murrob.com

HR/DG/nm

16 June 2020

**TO WHOM IT MAY CONCERN**

**CERTIFICATE OF SERVICE**

This letter serves to confirm that Sornsin Srisensui, Passport AB3507840, was an employee of Murray & Roberts Power & Energy on the Sappi Project.

The abovementioned employee was employed as a Welder Specialised Pressure Parts from 12/30/2019 to 6/13/2020.

We trust that you will find the above to be in order. Should you require any additional information of have any queries, please do not hesitate to contact us during office hours

Kind regards

Danie Greeff
Remuneration & Systems Executive

Murray & Roberts
Murray & Roberts Power & Energy
a division of Murray & Roberts Limited
Vat: 4630107995
Co. Reg: 1979 00332409
P.O. Box 3040
Bedfordview, 2008

GC POLYOLS

# WELDER & WELDING OPERATOR QUALIFICATION TEST RECORD

SK E&C

## WELDER PERFORMANCE QUALIFICATIONS (WPQ) FOR PIPING

Welder's name: Mr.Somsin Srisensui  Identification No: MSL-PP-001



**Test Description**

Identification of WPS followed: SKEC-CS-002  ■ Test coupon  ☐ Production Weld

Specification of base metal(s): A106 Gr.B  Thickness: 10.97 mm

**Testing Conditions and Qualification Limits**

| Welding Variables (QW-350) | ACTUAL VALUES | QUALIFIED RANGE |
|---|---|---|
| Welding Process (es) | GTAW / SMAW | GTAW / SMAW |
| Type (ie. manual, semi-Auto) used | Manual | Manual |
| Backing (metal, weld metal, double-welded, etc.) | Without / With Backing | With or Without / With Backing |
| ☐ Plate ■ Pipe (enter diameter if pipe tube) | (6") OD, 168.3 mm. | (2") OD, 60.3 mm. To unlimited |
| Base metal P-or S-Number to P-or S-Number | P1 to P1 | P1 to P15F, P34 and P41 to P49 |
| Filler Metal or electrode specification(s) (SFA) (info. Only) | SFA-5.18 / SFA-5.1 | |
| Filler Metal or electrode specification(s) (info. Only) | ER70s-6 / E7015 | |
| Filler Metal F-Number(s) | F-No.6 / F-No.4 | F-No.6 / F-No.4 |
| Consumable insert (GTAW or PAW) | NONE | NONE |
| Fillet type (solid/metal of flux cored/powder) (GTAW or PAW) | SOLID / N/A | SOLID / N/A |
| Deposit thickness for each process | | |
| Process 1 GTAW 3 layers minimum ■ Yes ☐ No | 6.00 mm. | 10.00 mm. (MAX) |
| Process 2 SMAW 3 layers minimum ■ Yes ☐ No | 5.97 mm. | 11.94 mm. (MAX) |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All Position ( All Fillet ) |
| Vertical Progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW, PAW, GMAW) | Without | With or Without |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC, DCEP, DCEN) | DCEN / DCEP | DCEN / DCEP |

**RESULTS**

Visual Examination of Completed Weld (QW-302.4) Accepted

☐ Bend test ☐ Transverse root and face [QW-462.3(a)] ☐ Longitudinal root and face [QW-462.3(b)] ☐ Side (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant overlay [QW-462.5(c)] ☐ Plate ben specimen, corrosion-resistant overlay [QW-462.5(c)]

☐ Macro Test for fusion [QW-462.5(b)] ☐ Macro Test for fusion [QW-462.5(e)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative radiographic examination results (QW-191) RT Report No: PY-RT-SDS-WQT-0001

Fillet weld - fracture test (QW-180) N/A  Length and percent of defects N/A

Macro examination (QW-184) N/A  Fillet size (mm) N/A  Concavity/convexity (mm) N/A

Other tests N/A

Film or specimens evaluated by: Mr.Thamatip Doungngern  Company: Master Solution

Mechanical tests conducted by: N/A  Laboratory test no: N/A

Welding Supervised by: Mr.Thamatip Doungngern

We certify that statements in this record are correct and that the test welds were prepared welded and tested in accordance with the requirements of Sec. IX of the ASME code

Test Date: 11-Dec-18

Approved by: Jaresat P.  Approved by: Tinna Thi

Name: SK  Name:

Date: 21 DEC 2018

Form No. QA-PR-0000-03

GC POLYOLS

# WELDER & WELDING OPERATOR QUALIFICATION TEST RECORD

SK E&C

## WELDER PERFORMANCE QUALIFICATIONS (WPQ) FOR PIPING

Welder's name: Mr Somsin Sitsensui  Identification No: MSL-PP-001



### Test Description

Identification of WPS followed: SKEC-CS-001  ■ Test coupon  ☐ Production Weld

Specification of base metal(s): A106 Gr B  Thickness: 5.54 mm

### Testing Conditions and Qualification Limits

| Welding Variables (QW-350) | ACTUAL VALUES | QUALIFIED RANGE |
|---|---|---|
| Welding Process (es) | GTAW | GTAW |
| Type (ie. manual, semi-Auto) used | Manual | Manual |
| Backing (metal, weld metal, double-welded, etc.) | Without | With or Without |
| ☐ Plate ■ Pipe (enter diameter if pipe tube) | (2") OD: 60.3 mm | (1") OD: 25.0 mm. To unlimited |
| Base metal P-or S-Number to P-or S-Number | P1 to P1 | P1 to P15F, P34 and P41 to P49 |
| Filler Metal or electrode specification(s) (SFA) (info. Only) | SFA-5.18 | |
| Filler Metal or electrode specification(s) (info. Only) | ER70s-6 | |
| Filler Metal F-Number(s) | F-No.6 | F-No.6 |
| Consumable insert (GTAW or PAW) | NONE | NONE |
| Filler type (solid/metal of flux cored/powder) (GTAW or PAW) | SOLID | SOLID |
| Deposit thickness for each process | | |
| Process 1: GTAW 3 layers minimum ■ Yes ☐ No | 5.54 mm | 11.08 mm |
| Process 2: N/A 3 layers minimum ☐ Yes ☐ No | N/A | N/A |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All Position |
| Vertical Progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW, PAW, GMAW) | Without | With or Without |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC, DCEP, DCEN) | DCEN | DCEN |

### RESULTS

Visual Examination of Completed Weld (QW-302.4) Accepted

☐ Bend test ☐ Transverse root and face [QW-462.3(a)] ☐ Longitudinal root and face [QW-462.3(b)] ☐ Side [QW-462.2]

☐ Pipe bend specimen, corrosion-resistant overlay [QW-462.5(c)] ☐ Plate ben specimen, corrosion-resistant overlay [QW-462.5(c)]

☐ Macro Test for fusion [QW-462.5(b)] ☐ Macro Test for fusion [QW-462.5(e)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative radiographic examination results (QW-191) RT Report No. PY-MSS-EL-0077

Fillet weld - fracture test (QW-180) N/A  Length and percent of defects N/A

Macro examination (QW-184) N/A  Fillet size (mm) N/A  Concavity/convexity (mm) N/A

Other tests N/A

Film or specimens evaluated by: Mr Thamatip Doungngern  Company: Master Solution

Mechanical tests conducted by: N/A  Laboratory test no: N/A

Welding Supervised by: Mr Thamatip Doungngern

We certify that statements in this record are correct and that the test welds were prepared welded and tested in accordance with the requirements of Sec. IX. of the ASME code

Test Date: 11-Dec-18

Approved by: Tamesah P.  Approved by: Tima Pai

Name: SK  Name:

Date: 20 Dec 18  Date: 21 DEC 2018

Form No. QA-PR-0003-03

WT 300.1-7f.4 Rev. 0

STP&I

## STP&I PUBLIC COMPANY LIMITED



### WELDER PERFORMANCE QUALIFICATIONS (WPQ) FOR PIPING

Welder's name: Mr.Somsin Srisensui  Identification No.: PW-198L

**Test Description**

Identification of WPS followed: WPS-027  ■ Test coupon ☐ Production Weld

Specification of base metal(s): SA106 Gr.B  Thickness: 7.11 mm.

**Testing Conditions and Qualification Limits**

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding process(es) | GTAW / SMAW | GTAW / SMAW |
| Type (ie. manual, semi-auto) used | Manual | Manual |
| Backing (metal, weld metal, double-welded, etc.) | Without | With and Without |
| ☐ Plate ■ Pipe (enter diameter if pipe of tube) | 6" (OD 168.3 mm.) | 2 1/2" (OD 73 mm.) and Over |
| Base metal P-or S-Number to P-or S-Number | P1 to P1 | P1 to P15F, P34 and P41 to P49 |
| Filler metal or electrode specification(s) (SFA) (info. Only) | 5.9 / 5.4 | 5.9 / 5.4 |
| Filler metal or electrode classification(s) (info. Only) | ER 308L / E308L-15 | ER 308L / E308L-15 |
| Filler metal F-Number(s) | 6 / 1-5 | 6 / 1-5 |
| Consumable insert (GTAW or PAW) | N/A | N/A |
| Filler type (solid/metal of flux cored/powder) (GTAW or PAW) | Solid | Solid |
| Deposit thickness for each process | | |
| Process 1: GTAW 3 layers minimum ☐ Yes ■ No. | 3 mm. | 8 mm. (MAX) |
| Process 2: SMAW 3 layers minimum ■ Yes ☐ No. | 4.11 mm. | 8.22 mm. (MAX) |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW, PAW, GMAW) | Argon | Argon |
| Transfer mode (spray/globular or pulse to short circuit GMAW) | N/A | N/A |
| GTAW current type/polarity (AC, DCEP, DCEN) | DCEN | DCEN |

**RESULTS**

Visual Examination of Completed Weld (QW-302.4): Acceptable

☐ Bend test; ☐ Transverse root and face [QW-462.3(a)]; ☐ Longitudinal root and face [QW-462.3(b)]; ☐ Side (QW-462.2)

☐ Pipe bend specimen, corrosion-resistant overlay [QW-462.5(c)]; ☐ Plate bend specimen, corrosion-resistant overlay [QW-462.5(d)];

☐ Macro test for fusion [QW-462.5(b)]; ☐ Macro test for fusion [QW-462.5(e)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative radiographic examination results (QW-191): Acceptable / Report No. WQT-LC-0680

Fillet weld - fracture test (QW-180): -  Length and percent of defects: -

Macro examination (QW-184): -  Fillet size (mm): x  Concavity/convexity (mm): -

Other tests:

Film or specimens evaluated by: Level II of NDT Company  Company: STIT Co., Ltd.

Mechanical tests conducted by: N/A  Laboratory test no.: N/A

Welding supervised by: Welding Sup. And Welding Eng.

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure Vessel Code

STP&I
QA/QC SECTION

Authorized By: S. Damkoeng

Name: Damkoeng Sawaldiphon

Date: 18-May-17

Test Date: 18-May-17

WT 109.1.71.4 Rev. B

STP&I

**STP&I PUBLIC COMPANY LIMITED**



## WELDER PERFORMANCE QUALIFICATIONS (WPQ) FOR PIPING

Welder's name: Mr.Somsin Srisensui  Identificaton No.: PW-198L

**Test Description**

Identification of WPS followed: WPS-028  ■ Test coupon ☐ Production Weld

Specification of base metal(s): SA106 Gr.B  Thickness: 3.91 mm.

**Testing Conditions and Qualification Limits**

| Welding Variables (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Welding process(es) | GTAW | GTAW |
| Type (ie; manual, semi-auto) used | Manual | Manual |
| Backing (metal, weld metal, double-welded, etc.) | Without | With and Without |
| ☐ Plate ■ Pipe (enter diameter if pipe of tube) | 2" (OD 60.3 mm.) | 1" (OD 25 mm.) and Over |
| Base metal P-or S-Number to P-or S-Number | P1 to P1 | P1 to P15F, P34 and P41 to P49 |
| Filler metal or electrode specification(s) (SFA) (info. Only) | 5.9 | 5.9 |
| Filler metal or electrode classification(s) (info. Only) | ER 308L | ER 308L |
| Filler metal F-Number(s) | 6 | 6 |
| Consumable insert (GTAW or PAW) | N/A | N/A |
| Filler type (solid/metal of flux cored/powder) (GTAW or PAW) | Solid | Solid |
| Deposit thickness for each process | | |
| Process 1: GTAW 3 layers minimum ■ Yes ☐ No. | 3.91 mm. | 7.62 mm. (MAX) |
| Process 2: N/A 3 layers minimum ☐ Yes ☐ No. | N/A | N/A |
| Position qualified (2G, 6G, 3F, etc.) | 6G | All |
| Vertical progression (uphill or downhill) | Uphill | Uphill |
| Type of fuel gas (OFW) | N/A | N/A |
| Inert gas backing (GTAW, PAW, GMAW) | Without | With and Without |
| Transfer mode (spray/globular or pulse to short circuit-GMAW) | N/A | N/A |
| GTAW current type/polarity (AC, DCEP, DCEN) | DCEN | DCEN |

**RESULTS**

Visual Examination of Completed Weld (QW-302.4): Acceptable

☐ Bend test; ☐ Transverse root and face [QW-462.3(a)]; ☐ Longitudinal root and face [QW-462.3(b)]; ☐ Side (QW-462.2);

☐ Pipe bend specimen, corrosion-resistant overlay [QW-462.5(c)]; ☐ Plate bend specimen, corrosion-resistant overlay [QW-462.5(d)];

☐ Macro test for fusion [QW-462.5(b)]; ☐ Macro test for fusion [QW-462.5(e)]

| Type | Result | Type | Result | Type | Result |
|---|---|---|---|---|---|
| - | - | - | - | - | - |
| - | - | - | - | - | - |

Alternative radiographic examination results (QW-191): Acceptable / Report No. WQT-LC-0679

Fillet weld - fracture test (QW-180): -  Length and percent of defects: -

Macro examination (QW-184): -  Fillet size (mm) ___ x ___  Concavity/convexity (mm): -

Other tests:

Film or specimens evaluated by: Level II of NDT Company  Company: STIT Co., Ltd.

Mechanical tests conducted by: N/A  Laboratory test no.: N/A

Welding supervised by: Welding Sup. And Welding Eng.

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Boiler and Pressure Vessel Code

STP&I
QA/QC SECTION

Authorized By: S. Damkoeng

Name: Damkoeng Sawattiphon

Date: 18-May-17

Test Date: 18-May-17

SINO-THAI

# WELDER/WELDING OPERATOR QUALIFICATION RECORD



Welder's name: Mr.Somsin Srisensui  Stamp no.: WP-092

Welding process(es) used: _____  Type: MANUAL

Identification of WPS followed by welder during welding of test coupon: 660

Base material(s) welded: ASTM A106 Gr.B  Thickness: 5.54 mm.

| Manual or Semiautomatic Variables for Each Process (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | With out backing | With or With out |
| ASME P-No. P1+P1 Classification (QW-403) | P1+P1 | P1-P15F,P34,P41-P49 |
| [ ] Plate [X] Pipe (enter diameter, if pipe) | Dia. 2" | 1" O.D. and Over |
| Filler metal specification (SFA): 5.9 Classification (QW-404) | ER316L | |
| Filler metal F-No. | 6 | 6 |
| Consumable insert for GTAW or PAW | MANUAL | MANUAL |
| Weld deposit thickness for each welding process | GTAW = 5.54 mm. | Up to 11.08 MM. |
| | - | - |
| Welding position (1G, 5G, etc.) (QW-405) | 5G | All |
| Progression (uphill / downhill) | Uphill | Uphill |
| Backing gas for GTAW, PAW, or GMAW; fuel gas for OFW (QW-408) | With | With |
| GMAW transfer mode (QW-409) | N/A | N/A |
| GTAW welding current type / polarity | DCEN | AC / DC |

| Machine Welding Variables for the Process Used (QW-360) | Actual Values | Range Qualified |
|---|---|---|
| Direct / remote visual control | N/A | N/A |
| Automatic voltage control (GTAW) | N/A | N/A |
| Automatic joint tracking | N/A | N/A |
| Welding position (1G, 5G, etc.) | N/A | N/A |
| Backing (metal, weld metal, welded from both sides, flux, ect.) | N/A | N/A |

**Guided Bend Test Results**

Guided Bend Tests Type ( ) QW-462.2 (Side) Results ( ) QW-462.3(a) (Trans. R & F) Type ( ) QW-462.3(b) (Long. R & F) Results

| | | | |
|---|---|---|---|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |

Visual Examination results (QW-302.4): Acceptable

Radiographic test results (QW-304 and QW-305): Acceptable Ref. Report No. PAE-2015-WQT-P156 (20-Jun-15)

(For alternative qualification of groove welds by radiography)

Fillet Weld - Fracture test: N/A  Length and percent of defects: N/A in.

Macro test conducted by: N/A  Fillet leg size: N/A in. X N/A in.  Concavity / convexity: N/A in.

Welding test conducted by: Mr.Sang K.

Mechanical tests conducted by: N/A  Laboratory test no.: N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of ASME Section IX 2010 Edition

| | INSPECTED BY | APPROVED BY | REVIEWED / WITNESSED BY |
|---|---|---|---|
| COMPANY | SINO-THAI | MC | KEGCO |
| SIGNATURE | QA/QC Mechanical | [signature] | [signature] |
| NAME | MSSRC BN | Reynaldo R.Escol | Jeerasak Nakthong |
| DATE | 23-Jun-15 | 24 JUN 2015 | 28 Jun. 2015 |

WELDER/WELDING OPERATOR QUALIFICATION CERTIFICATE ( FOR PIPING )

F15-01 23/4/46

SINO-THAI

# WELDER/WELDING OPERATOR QUALIFICATION RECORD



Welder's name: Mr.Somsin Sriaensui | Stamp no.: WP-092
Welding process(es) used: GTAW | Type: MANUAL
Identification of WPS followed by welder during welding of test coupon: P1-1-1
Base material(s) welded: ASTM A106 Gr.B | Thickness: 5.54 mm

| Manual or Semiautomatic Variables for Each Process (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | With out backing | With or With out |
| ASME P-No. P1+P1 Classification (QW-403) | P1+P1 | P1-P15F,P34,P41-P49 |
| [ ] Plate [X] Pipe (inner diameter, if pipe) | Dia. 3" | 1" O.D. and Over |
| Filler metal specification (SFA): 5.18 Classification (QW-404) | ER70S-6 | |
| Filler metal F-No. | 6 | 6 |
| Consumable insert for GTAW or PAW | MANUAL | MANUAL |
| Weld deposit thickness for each welding process | GTAW = 5.54 mm. | Up to 11.08 MM. |
| | - | - |
| Welding position (1G, 5G, etc.) (QW-400) | 6G | All |
| Progression (uphill / downhill) | Uphill | Uphill |
| Backing gas for GTAW, PAW, or GMAW; fuel gas for OFW (QW-405) | With out backing gas | With or With out |
| GMAW transfer mode (QW-409) | N/A | N/A |
| GTAW welding current type / polarity | DCEN | AC / DC |

| Machine Welding Variables for the Process Used (QW-360) | Actual Values | Range Qualified |
|---|---|---|
| Direct / remote visual control | N/A | N/A |
| Automatic voltage control (GTAW) | N/A | N/A |
| Automatic joint tracking | N/A | N/A |
| Welding position (1G, 5G, etc.) | N/A | N/A |
| Backing (metal, weld metal, welded from both sides, flux, ect.) | N/A | N/A |

**Guided Bend Test Results**

Guided Bend Tests Type ( ) QW-462.2 (Side) Results ( ) QW-462.3(a) (Trans. R & F) Type ( ) QW-462.3(b) (Long. R & F) Results

| | | | |
|---|---|---|---|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |
| | | | |

Visual Examination results (QW-302.4): Acceptable
Radiographic test results (QW-304 and QW-305): Acceptable Ref. Report No. PAE-2015-WQT-P145 (15-Jun-2015)
(For alternative qualification of groove welds by radiography)
Fillet Weld - Fracture test: N/A Length and percent of defects: N/A in.
Macro test conducted by: N/A Fillet leg size: N/A in. X N/A in. Concavity / convexity: N/A in.
Welding test conducted by: Mr.Sang K.
Mechanical tests conducted by: N/A Laboratory test no.: N/A
We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of ASME Section IX 2010 Edition

| | INSPECTED BY | APPROVED BY | REVIEWED / WITNESSED BY |
|---|---|---|---|
| COMPANY | SINO-THAI | MC | KEGCO |
| SIGNATURE | | | |
| NAME | Mr.Sang K. | Reynaldo R.Escol | Decrasak Nakthong |
| DATE | 23-Jun-15 | 26 JUN 2015 | 23 Jun. 2015 |

WELDER/WELDING OPERATOR QUALIFICATION CERTIFICATE ( FOR PIPING )

F15-01 : 23/4/48

SINO-THAI

# WELDER/WELDING OPERATOR QUALIFICATION RECORD



Welder's name: Mr.Somsin Srisenasi — Stamp no.: WP-092

Welding process(es) used: GTAW+SMAW — Type: Manual

Identification of WPS followed by welder during welding of test coupon: P1-1-2

Base material(s) welded: ASTM A106 Gr.B — Thickness: 18.20 mm.

| Manual or Semiautomatic Variables for Each Process (QW-360) | Actual Values | Range Qualified |
|---|---|---|
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | GTAW = With out | GTAW = With or With out |
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | SMAW = With | SMAW = With |
| ASME P-No. P1+P1 Classification (QW-403) | P1+P1 | P1-P1,P3,P34,P41-P49 |
| ☐ Plate ☒ Pipe (outer diameter, if pipe) | Dia. 8" | ≥ 7/8" O.D. and Over |
| Filler metal specification (SFA): 5.18 + 5.1 Classification (QW-404) | ER70S-6 + E7018 | |
| Filler metal F-No. | 5+4 | 1-4+5 |
| Consumable insert for GTAW or PAW | MANUAL | MANUAL |
| Weld deposit thickness for each welding process | GTAW = 4.80 mm. | Up to 9.60 mm. |
| | SMAW = 14.20 mm. | Unlimited |
| Welding position (1G, 5G, etc.) (QW-405) | 6G | All |
| Progression (uphill / downhill) | Uphill | Uphill |
| Backing gas for GTAW, PAW, or GMAW; fuel gas for OFW (QW-408) | With out backing gas | With or With out |
| GMAW transfer mode (QW-409) | N/A | N/A |
| GTAW welding current type / polarity | DCEN | AC / DC |
| SMAW welding current type / polarity | DCEP | AC / DC |
| Machine Welding Variables for the Process Used (QW-360) | Actual Values | Range Qualified |
| Direct / remote visual control | N/A | N/A |
| Automatic voltage control (GTAW) | N/A | N/A |
| Automatic joint tracking | N/A | N/A |
| Welding position (1G, 5G, etc.) | N/A | N/A |
| Backing (metal, weld metal, welded from both sides, flux, ect.) | N/A | N/A |

**Guided Bend Test Results**

Guided Bend Tests Type ( ) QW-462.2 (Side) Results ( ) QW-462.3(a) (Trans. R & F) Type ( ) QW-462.3(b) (Long. R & F) Results

| | | | |
|---|---|---|---|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |
| | | | |

Visual Examination results (QW-302.4): Acceptable

Radiographic test results (QW-304 and QW-305): Acceptable Ref. Report No. PAE-2015-WQT-P148 (18-Jun-15)

(For alternative qualification of groove welds by radiography)

Fillet Weld - Fracture test: N/A — Length and percent of defects: N/A in.

Macro test conducted by: N/A — Fillet leg size: N/A in. X N/A in. — Concavity / convexity: N/A in.

Welding test conducted by: Mr.Sang K.

Mechanical tests conducted by: N/A — Laboratory test no.: N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of ASME Section IX 2010 Edition

| | INSPECTED BY | APPROVED BY | REVIEWED/WITNESSED BY |
|---|---|---|---|
| COMPANY | SINO-THAI | MC | PEGCO |
| SIGNATURE | | | |
| NAME | Mr.Sang K. | Reynaldo R.Escol | Jeerasak Nakthong |
| DATE | 23-Jun-15 | 24 JUN 2015 | 28 มิถุนายน 2558 |

WELDER/WELDING OPERATOR QUALIFICATION CERTIFICATE ( FOR PIPING )

SINO-THAI

# WELDER/WELDING OPERATOR QUALIFICATION RECORD



Welder's name: Mr.Somsin Srisensui  Stamp no.: WP-092

Welding process(es) used: GTAW  Type: MANUAL

Identification of WPS followed by welder during welding of test coupon: 029-PK

Base material(s) welded: ASTM A106 Gr.B  Thickness: 5.54 mm.

| Manual or Semiautomatic Variables for Each Process (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | With out backing | With or With out |
| ASME P-No. P1+P1 Classification (QW-403) | P1+P1 | P1-P15F,P34,P41-P49 |
| [ ] Plate [X] Pipe (enter diameter, if pipe) | Dia. 2" | 1" O.D. and Over |
| Filler metal specification (SFA): 5.28 Classification (QW-404) | ER985-G | |
| Filler metal F-No. | 6 | 6 |
| Consumable insert for GTAW or PAW | MANUAL | MANUAL |
| Weld deposit thickness for each welding process | GTAW = 5.54 mm. | Up to 11.08 MM. |
| | - | - |
| Welding position (1G, 5G, etc.) (QW-405) | 6G | All |
| Progression (uphill / downhill) | Uphill | Uphill |
| Backing gas for GTAW, PAW, or GMAW; fuel gas for OFW (QW-408) | With | With |
| GMAW transfer mode (QW-409) | N/A | N/A |
| GTAW welding current type / polarity | DCEN | AC / DC |

| Machine Welding Variables for the Process Used (QW-360) | Actual Values | Range Qualified |
|---|---|---|
| Direct / remote visual control | N/A | N/A |
| Automatic voltage control (GTAW) | N/A | N/A |
| Automatic joint tracking | N/A | N/A |
| Welding position (1G, 5G, etc.) | N/A | N/A |
| Backing (metal, weld metal, welded from both sides, flux, ect.) | N/A | N/A |

**Guided Bend Test Results**

Guided Bend Tests Type ( ) QW-462.2 (Side) Results ( ) QW-462.3(a) (Trans. R & F) Type ( ) QW-462.3(b) (Long. R & F) Results

| | | | |
|---|---|---|---|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |
| | | | |

Visual Examination results (QW-302.4): Acceptable

Radiographic test results (QW-304 and QW-305): Acceptable Ref. Report No. PAE-2015-WQT-P152 (19-Jun-15)

(For alternative qualification of groove welds by radiography)

Fillet Weld - Fracture test: N/A  Length and percent of defects: N/A in.

Macro test conducted by: N/A  Fillet leg size: N/A in. X N/A in.  Concavity / convexity: N/A in.

Welding test conducted by: Mr.Sang K.

Mechanical tests conducted by: N/A  Laboratory test no.: N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of ASME Section IX 2010 Edition

| | INSPECTED BY | APPROVED BY | REVIEWED / WITNESSED BY |
|---|---|---|---|
| COMPANY | SINO-THAI | MC | KEGCO |
| SIGNATURE | Mechanical | | |
| NAME | Mr.Sang K. | Reynaldo R.Escol | Jeerasak Nakthong |
| DATE | 23-Jun-15 | 24 JUN 2015 | 28 Jun. 2015 |

WELDER/WELDING OPERATOR QUALIFICATION CERTIFICATE ( FOR PIPING )

F15-D1 : 23/4/46

SING-THAI

# WELDER/WELDING OPERATOR QUALIFICATION RECORD



Welder's name: Mr.Sornram Srisensai | Stamp no: WP-092

Welding process(es) used: GTAW+SMAW | Type: Manual

Identification of WPS followed by welder during welding of test coupon: 529

Base material(s) welded: ASTM A106 Gr.B | Thickness: 18.26 mm.

| Manual or Semiautomatic Variables for Each Process (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | GTAW = With out | GTAW = With or With out |
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | SMAW = With | SMAW = With |
| ASME P-No. P1+P1 Classification (QW-403) | P1+P1 | P1-P15F,P34,P41-P49 |
| ☐ Plate ☒ Pipe (outer diameter, if pipe) | Dia. 6" | 2 7/8" O.D. and Over |
| Filler metal specification (SFA) 5.28 + 5.5 Classification (QW-404) | ER90S-G + E9018-G | |
| Filler metal F-No. | 6+5 | 6+1-4 |
| Consumable insert for GTAW or PAW | MANUAL | MANUAL |
| Weld deposit thickness for each welding process | GTAW = 4.00 mm. | Up to 8.00 mm. |
| | SMAW = 14.26 mm. | Unlimited |
| Welding position (1G, 5G, etc.) (QW-405) | 6G | All |
| Progression (uphill / downhill) | Uphill | Uphill |
| Backing gas for GTAW, PAW, or GMAW; fuel gas for OFW (QW-408) | With | With |
| GMAW transfer mode (QW-409) | N/A | N/A |
| GTAW welding current type / polarity | DCEN | AC / DC |
| SMAW welding current type / polarity | DCEP | AC / DC |
| **Machine Welding Variables for the Process Used (QW-360)** | **Actual Values** | **Range Qualified** |
| Direct / remote visual control | N/A | N/A |
| Automatic voltage control (GTAW) | N/A | N/A |
| Automatic joint tracking | N/A | N/A |
| Welding position (1G, 5G, etc.) | N/A | N/A |
| Backing (metal, weld metal, welded from both sides, flux, ect.) | N/A | N/A |

**Guided Bend Test Results**

Guided Bend Tests Type ( ) QW-462.2 (Side) Results ( ) QW-462.3(a) (Trans. R & F) Type ( ) QW-462.3(b) (Long. R & F) Results

| | | | |
|---|---|---|---|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |
| | | | |

Visual Examination results (QW-302.4): Acceptable

Radiographic test results (QW-304 and QW-305): Acceptable Ref. Report No. PAE-2015-WQT-P153 (18-Jun-15)

(For alternative qualification of groove welds by radiography)

Fillet Weld - Fracture test: N/A Length and percent of defects: N/A in.

Macro test conducted by: N/A Fillet leg size: N/A in. X N/A in. Concavity / convexity: N/A in.

Welding test conducted by: Mr.Sang K.

Mechanical tests conducted by: N/A Laboratory test no: N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of ASME Section IX 2010 Edition

| | INSPECTED BY | APPROVED BY | REVIEWED / WITNESSED BY |
|---|---|---|---|
| COMPANY | SING-THAI QA/QC | MC | KEGCO |
| SIGNATURE | | Reynaldo R.Escol | |
| NAME | Mr.Sang K. | | |
| DATE | 23-Jun-15 | 24 JUN 2015 | 28 Jun. 2015 |

STECON

# WELDER/WELDING OPERATOR QUALIFICATION CERTIFICATE
## ( FOR PIPING )



Welder's name: Mr.Somsin Srisensul  Stamp no.: WP-043

Welding process(es) used: GTAW + SMAW  Type: MANUAL

Identification of WPS followed by welder during welding of test coupon: WPS P1-1-2

Base material(s) welded: A106 Gr. B  Thickness: 10.97 mm.

| Manual or Semiautomatic Variables for Each Process (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | Without + Without Backing | With or Without Backing + With Backing or Both Coupon |
| ASME P-No. P1 + P1 Classification (QW-403) | P1 + P1 | |
| ☐ Plate ☒ Pipe (enter diameter, if pipe) | 6" OD 168.3 mm. | 2 1/2" NPS And Over |
| Filler metal specification (SFA): 5.18+5.1 Classification (QW-404) | ER70S-6+E7016 | ER70S-6+E7016 |
| Filler metal F-No. | 6+4 | 6+4 |
| Consumable Insert for GTAW or PAW | N/A | N/A |
| Weld deposit thickness for each welding process | GTAW = 3 mm. | Up to 6 mm. |
| | SMAW = 7.97 mm. | Up to 15.94 mm. |
| Welding position (1G, 6G, etc.) (QW-405) | 6G | All |
| Progression (uphill / downhill) | UPHILL | UPHILL |
| Backing gas for GTAW, PAW, or GMAW; fuel gas for OFW (QW-408) | N/A | N/A |
| GMAW transfer mode (QW-409) | N/A | N/A |
| GTAW / SMAW welding current type / polarity | DCEN + DCEP | DCEN + DCEP |

| Machine Welding Variables for the Process Used (QW-360) | Actual Values | Range Qualified |
|---|---|---|
| Direct / remote visual control | N/A | N/A |
| Automatic voltage control (GTAW) | N/A | N/A |
| Automatic joint tracking | N/A | N/A |
| Welding position (1G, 6G, etc.) | N/A | N/A |
| Backing (metal, weld metal, welded from both sides, flux, ect.) | N/A | N/A |

**Guided Bend Test Results**

Guided Bend Tests Type ( ) QW-462.2 (Side) Results ( ) QW-462.3(a) (Trans. R & F) Type ( ) QW-462.3(b) (Long. R & F) Results

| N/A | N/A | N/A | N/A |
|---|---|---|---|
| | | | |
| | | | |

Visual Examination results (QW-302.4): ACCEPTED

Radiographic test results (QW-304 and QW-305): ACCEPTED (RT Report No. RT-WQT-P-030)

(For alternative qualification of groove welds by radiography)

Fillet Weld - Fracture test: N/A  Length and percent of defects: N/A in.

Macro test conducted by: N/A  Fillet leg size: N/A in. X N/A in.  Concavity / convexity: N/A in.

Welding test conducted by: WQT-103

Mechanical tests conducted by: N/A  Laboratory test no.: N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

| | INSPECTED BY | APPROVED BY | APPROVED BY CLIENT |
|---|---|---|---|
| COMPANY | OC 026 | TOYO | |
| SIGNATURE | Sign: | | |
| NAME | Name: M.Kaewdias | | |
| DATE | Date: 30-May-15 | | |

F15-01 : 23/4/46

STECON

# WELDER/WELDING OPERATOR QUALIFICATION CERTIFICATE
## ( FOR PIPING )



Welder's name: Mr.Somsin Srisensui  Stamp no.: WP-043

Welding process(es) used: GTAW  Type: MANUAL

Identification of WPS followed by welder during welding of test coupon: WPS P1-1-1

Base material(s) welded: A106 Gr. B  Thickness: 5.54 mm.

| Manual or Semiautomatic Variables for Each Process (QW-350) | Actual Values | Range Qualified |
|---|---|---|
| Backing (metal, weld metal, welded from both sides, flux, etc.) (QW-402) | Without Backing | With Backing Backing |
| ASME P-No. P1 + P1 Classification (QW-403) | P1 + P1 | P1 |
| ☐ Plate ☒ Pipe (enter diameter, if pipe) | 2" OD 60.3 mm. | 3/4" NPS And Over |
| Filler metal specification (SFA): 5.18 Classification (QW-404) | ER705-6 | ER705-6 |
| Filler metal P-No. | 6 | 6 |
| Consumable insert for GTAW or PAW | N/A | N/A |
| Weld deposit thickness for each welding process | GTAW = 5.54 mm. | Up to 11.08 mm. |
| | - | - |
| Welding position (1G, 5G, etc.) (QW-405) | 6G | All |
| Progression (uphill / downhill) | UPHILL | UPHILL |
| Backing gas for GTAW, PAW, or GMAW; fuel gas for OFW (QW-408) | N/A | N/A |
| GMAW transfer mode (QW-409) | N/A | N/A |
| GTAW / SMAW welding current type / polarity | DCEN | DCEN |

| Machine Welding Variables for the Process Used (QW-360) | Actual Values | Range Qualified |
|---|---|---|
| Direct / remote visual control | N/A | N/A |
| Automatic voltage control (GTAW) | N/A | N/A |
| Automatic joint tracking | N/A | N/A |
| Welding position (1G, 5G, etc.) | N/A | N/A |
| Backing (metal, weld metal, welded from both sides, flux, ect.) | N/A | N/A |

**Guided Bend Test Results**

Guided Bend Tests Type ( ) QW-462.2 (Side) Results ( ) QW-462.3(a) (Trans. R & F) Type ( ) QW-462.3(b) (Long. R & F) Results

| | | | |
|---|---|---|---|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |
| | | | |

Visual Examination results (QW-302.4): ACCEPTED

Radiographic test results (QW-304 and QW-305): ACCEPTED (RT Report No. RT-WQT-P-687)

(For alternative qualification of groove welds by radiography)

Fillet Weld - Fracture test: N/A  Length and percent of defects: N/A in.

Macro test conducted by: N/A  Fillet leg size: N/A in. X N/A in.  Concavity / convexity: N/A in.

Welding test conducted by: WQT-168

Mechanical tests conducted by: N/A  Laboratory test no.: N/A

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

| | INSPECTED BY | APPROVED BY | APPROVED BY CLIENT |
|---|---|---|---|
| COMPANY | QC 026 | Toyo | |
| SIGNATURE | Sign: | | |
| NAME | Name: M.Kumaran | | |
| DATE | Date: 30.May-16 | | |

F15-01 : 23/4/46

# Welder/Welding Operator Performance Qualification Record (WPQR)



| | | | |
|---|---|---|---|
| Welder/Welding Operator's Name | Mr.Somsen S | Welder No | PEN-WSL-007 |
| Using WPS No | TUCC/WPS/001 rl | Rev No | 0 |

| Variables | Actual Values | Qualification Range |
|---|---|---|
| Process | SMAW | SMAW |
| Process Type | Manual | Manual |
| BACKING (QW-402) | With (Welded Metal) | With |
| MATERIAL SPEC. (QW-403) | SS 400 | |
| P-No. | 1 | 1 through 15 F |
| Thickness-Groove (mm) | N/A | N/A |
| Fillet | t/2 | Unlimited |
| Diameter-Groove (mm) | N/A | N/A |
| Fillet | Plate | Plate or OD 72 over |
| FILLER METALS (QW-404) | | |
| Spec. No. (SFA) | 5.1 | 5.1 |
| Class (Trade Name) (AWS) | E 7016 | N/A |
| F-No. | 4 | 1+4 (with backing) |
| Consumable Inserts | None | None |
| Deposit Thick.Groove(mm) | N/A | - |
| Fillet | t/2 | Unlimited |
| POSITIONS (QW-405) | | |
| Groove | F/A | N/A |
| Fillet | 2F, 4F | All |
| Weld Progression | Up/All | Up/All |
| GAS TYPE (QW-408) | | |
| Gas Backing | None | None |
| ELECTRICAL CHARACTERISTICS (QW-409) | | |
| Current & Polarity | AC | AC or DCRP |
| Transfer Mode | N/A | N/A |
| FOR MACHINE (QW-360) | | |
| Oscill/Remote/Manual Control | N/A | N/A |
| Automatic/Arc Voltage Control | N/A | N/A |
| Automatic Joint Tracking | N/A | N/A |
| Passes Per Side | N/A | N/A |

GUIDED BEND TEST RESULTS (QW-302.2) (N/A)

| Test Specimen No. | Type and Figure No. | Result |
|---|---|---|
| N/A | N/A | N/A |
| | | |

RADIOGRAPHIC EXAMINATION RESULTS (QW-302.2)

For alternative qualification for groove welds by radiography

Radiography Results: N/A

FILLET WELD TEST RESULTS (QW-302.1) (N/A)

Fracture Test (The location, nature and size of any crack or rearing of the specimen): Accept

Length and Percent of Defect: mm, %

Macro Test-Fusion

Appearance-Fillet Size (mm): 10 mm x 10 mm, Convexity: mm, Concavity: mm

VISUAL EXAMINATION (QW-302.4): Acceptable

Test Conducted by: SAKTI (POSCO Engineering), Laboratory Test No: N/A

We certify that the statements in this record are correct and that the test welds were prepared,

Welded and Tested in accordance with the requirement of Section IX of the ASME Code.

| PREPARED BY | REVIEWED BY | APPROVED BY |
|---|---|---|
| Mr. [illegible] 25 AUG 16 | S. N. Kang | BCP |

STECON

# Sino-Thai Engineering & Construction Public Company Limited

29th Floor, Sino-Thai Tower, 3/229 Asoke Road, Bangkok 10110, Thailand

## WELDER / WELDING OPERATOR QUALIFICATION TEST RECORD



Name: Mr. Somsin Srisomsi — Identification No.: SS-049

Welding procedure Specification No.: 13 — Rev: 0 — Date: 26 Mar 14

| | | Record Actual Values Used in Qualification | Qualification Range |
|---|---|---|---|
| Variables | | | |
| Process / Type [5.24.1.1] | | SMAW | |
| Electrode (single or multiple) | | SINGLE | SINGLE |
| Current/Polarity | | | |
| Position | [Table 5.6] | 3G,4G | F,H,V & OH |
| Weld Progression | [Up,Down] | uphill | uphill |
| Backing (YES or NO) | | Backgouging | Backing or Backgouging |
| Material / Spec. | | SS400 | |
| Base Metal | | | |
| Thickness: (Plate) | | | |
| Groove | | 15.00 mm. | 3.0 mm. TO 30 mm. |
| Fillet | | - | Unlimited |
| Thickness: (Pipe / tube) | | | |
| Groove | | - | 3.0 mm. TO 30 mm. |
| Fillet | | - | Unlimited |
| Diameter: (Pipe) | | | |
| Groove | | - | OVER 600 mm. |
| Fillet | | - | - |
| Filler Metal | | | |
| Spec. No. | | SFA 5.1 | |
| Class | | E7016 | |
| F-No. | | 4 | F4 |
| Gas / Flux Type | | N/A | |
| Other | | N/A | |

VISUAL INSPECTION (9.21.1)

Acceptable YES or NO: YES

Guided Bend Test Results (5.26.2)

| Type | Result | Type | Result |
|---|---|---|---|
| N/A | N/A | | |
| | | | |
| | | | |

Fillet Test Results (5.27.4 and 5.27.5)

Appearance: N/A — Fillet Size: N/A

Fracture Test Root Penetration: N/A — Macroetch: N/A

(Describe the location, nature, and size of any crack or tearing of the specimen.)

Inspected by: Mr.Jade Wongsakul — Test Number: WQT-036

Organization: STECON — Date: 26-Mar-14

RADIOGRAPHIC TEST RESULTS (UNIT 6 PART B)

| Film Identification Number | Results | Remarks | Film Identification Number | Results | Remarks |
|---|---|---|---|---|---|
| WQT-ST-SS-143 | Acceptable | | | | |
| WQT-ST-SS-144 | Acceptable | | | | |

Interpreted by: Mr.Sayan S. — Test Number: PAE-2014-WQT-092

Organization: PAE TECHNICAL SERVICE CO.,LTD. — Date: 26 March 2014

We, the undersigned, certify that the statements in this record are correct and that the test welds were prepared, welded and tested in accordance with the requirements of Section 4 of AWS D1.1 :2004, Structural Welding Code - Steel.

| COMPLETED BY | SINO-THAI | MPS-PTC | OWNER |
|---|---|---|---|
| SIGNATUR | | | |
| NAME | Mr. Jade Wongsakul | R. VENKATT | |
| DATE | 28-Mar-2014 | 5/4/2014 | 05-04-14 |

RNC Thai Plastic and Chemical Public Company Limited SCG

## WELDER QUALIFICATION CARD

PROJECT NAME: VCM1 Upgrade Material at Circulation Line EDC

WELDER NO: W-[illegible]

WELDER NAME: Mr Somsin Srianeul

AUTHORIZED BY: Miss Panyapat [illegible]

APPROVED BY: [illegible]

APPROVED DATE: 22 Oct 2025



EEDC 013

Rev.0 (25-Jun-13)

### EXTENT QUALIFICATION

| WPS NO. | PROCESS | MATERIAL | AWS | POSITION | DIA RANGE | THICKNESS |
|---|---|---|---|---|---|---|
| RNC-WPS-100 | GTAW | Monel 400 UNS N04400 (P no 42) | ERNiCu-7 | ALL | OD 1" to Unlimited | 11.08 mm (Max) |
| RNC-WPS-100 | GTAW | Monel 400 UNS N04400 (P no 42) | ERNiCu-7 | ALL | OD 2 7/8" to Unlimited | 25.40 mm (Max) |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

RNC QUALIFIED WELDER CARD

Project : Maintenance Hot work for MTA 2025 Pack A (Thai oil Plant)

Company : Renewcoils Engineering & Supply Co., Ltd.

Name : Mr.Somsin Sriensui

No. : RNC-W-339

Issue Date : 17-Jun-25

Expire Date : 17-Dec-25



Detail

| Range of qualified : - | | | |
|---|---|---|---|
| Position | : ALL | | |
| Pipe Size Dia | : Ø1/2" & Above | , Ø1" OD & Above | , Ø2½" & Above |
| Thick | : n/a | 5.56-11.08 mm. | 7.11 - 14.22 mm. |
| Process | : n/a | GTAW | GTAW+SMAW |
| Material | : n/a | P No. 1 | P No. 1 |
| Inspector | (for Welding Inspector) | Date: | 16/7/25 |
| NTS | (for Inspection Manager) | Date: | 21/7/25 |

RNC QUALIFIED WELDER CARD

Project : Maintenance Hot work for MTA 2025 Pack A (Thai oil Plant)

Company : Renewcoils Engineering & Supply Co., Ltd.

Name : Mr.Somsin Sriensui

No. : RNC-W-339

Issue Date : 2-Jul-25

Expire Date : 2-Jan-26



Detail

| Range of qualified : | | | |
|---|---|---|---|
| Position | : ALL | | |
| Pipe Size Dia | : Ø1/2" & Above | , Ø1" OD & Above | , Ø2½" & Above |
| Thick | : 3.73-7.46 mm. | 5.56-11.08 mm. | 7.11 - 14.22 mm. |
| Process | : GTAW | GTAW | GTAW+SMAW |
| Material | : P No. 1 | P No. 1 | P No. 1 |
| Inspector | (for Welding Inspector) | Date: | 16/07/25 |
| NTS | (for Inspection Manager) | Date: | 21/7/25 |

RNC QUALIFIED WELDER CARD

Project : Maintenance Hot work for MTA 2025 Pack A (Thai oil Plant)

Company : Renewcoils Engineering & Supply Co., Ltd.

Name : Mr.Somsin Sriensui

No. : RNC-W-339

Issue Date : 1-Aug-25

Expire Date : 1-Feb-26



Detail

| Range of qualified : | | | |
|---|---|---|---|
| Position | : ALL | | |
| Pipe Size Dia | : Ø1/2" & Above | , Ø1" OD & Above | , Ø2½" & Above |
| Thick | : n/a | 5.56 - 11.08 mm. | n/a |
| Process | : n/a | GTAW | n/a |
| Material | : n/a | P No. 1, 3, 8, 10, 11 | n/a |
| Inspector | (for Welding Inspector) | Date: | 16/07/2025 |
| NTS | (for Inspection Manager) | Date: | 1/8/25 |

RNC QUALIFIED WELDER CARD

Project : Maintenance Hot work for MTA 2025 Pack A (Thai oil Plant)

Company : Renewcoils Engineering & Supply Co., Ltd.

Name : Mr.Somsin Sriensui

No. : RNC-W-339

Issue Date : 1-Jul-25

Expire Date : 1-Jan-26



Detail

| Range of qualified : | | | |
|---|---|---|---|
| Position | : ALL | | |
| Pipe Size Dia | : Ø1/2" & Above | , Ø1" OD & Above | , Ø2½" & Above |
| Thick | : n/a | n/a | 10.97 - 21.94 mm. |
| Process | : n/a | n/a | GTAW + SMAW |
| Material | : n/a | n/a | P No. 3, 4, 5 |
| Inspector | (for Welding Inspector) | Date: | 16/07/25 |
| NTS | (for Inspection Manager) | Date: | 17/7/25 |


WELDER/WELDING OPERATOR CLEARANCE CARD

Welder Cleared for Welding on

SEE REVERSE

Issue Date: 8/28/2021


WELDER SYMBOL: EWP-144

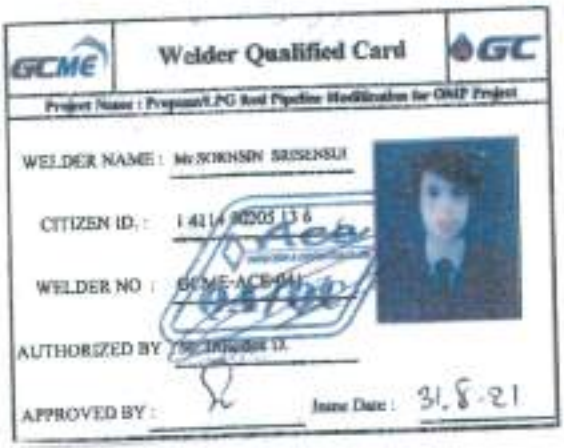
PROJECT APPLICABLE QUALIFIED RANGE

| | PROCESS | DIAMETER | FILLER METAL F.N° | | POSITION | | | BASE METAL |
|---|---|---|---|---|---|---|---|---|
| | GTAW | | 6 | | All | | | |
| | SMAW | | | | All | | | |

NOTE: TO IDENTIFY QUALIFIED PROJECT BASE METAL CAN BE USED PROJECT PIPING COLOR CODING INDEX

SPCC-FQM Signature

Issue Date: 8/28/2021


Welder Qualified Card

Project Name : Propane/LPG Rail Pipeline Modification for ONEP Project

WELDER NAME : Mr.SOKNSIN SRISENSUI

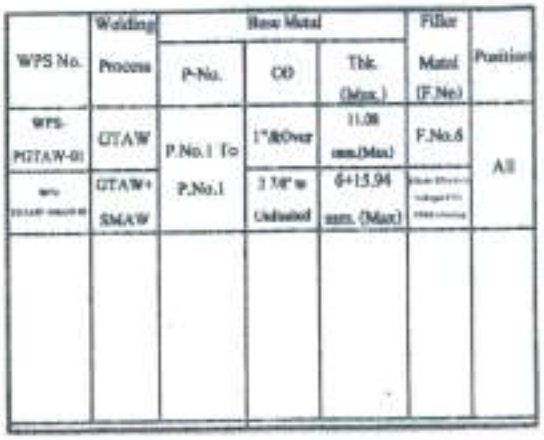
CITIZEN ID. : 1 4114 00205 13 6

WELDER NO : SCME-ACS-041

AUTHORIZED BY :

APPROVED BY :

Issue Date : 31-8-21



| WPS No. | Welding Process | Base Metal P-No. | Base Metal OD | Base Metal Thk. (Max.) | Filler Metal (F.No) | Position |
|---|---|---|---|---|---|---|
| WPS-PGTAW-01 | GTAW | P.No.1 To P.No.1 | 1"&Over | 11.08 mm.(Max) | F.No.6 | All |
| | GTAW+ SMAW | | 3 7/8" to Unlimited | 6+15.94 mm. (Max) | | |


VATANA PHAISAL ENGINEERING CO.,LTD.

WELDER QUALIFICATION CARD

ชื่อ พายศรสิน ศรีเสนสุย

NAME Mr.Somain S.

WS-1271

ISSUED BY :

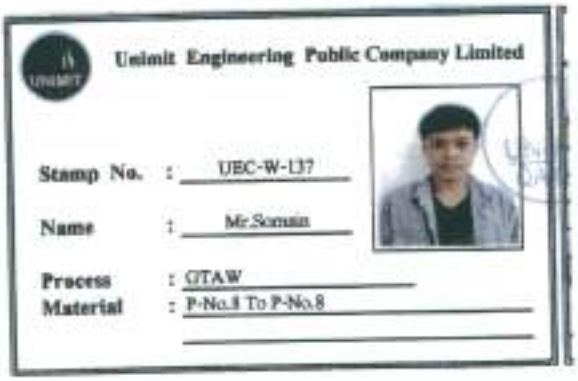
APPROVED BY :

ISSUED DATE : 24-Jun-21

EXPIRED DATE : 23-Dec-21


QUALIFIED WELDING DATA

| CODE/SPEC. | WELDING PROCESS | THICKNESS OF WELD METAL | OUTSIDE DIAMETER | WELDING GROUP | P-NO. | WELDING POSITION | WPS NUMBER |
|---|---|---|---|---|---|---|---|
| ASME IX | GTAW | | | | | ALL | |
| ASME IX | GTAW | | | | | ALL | |

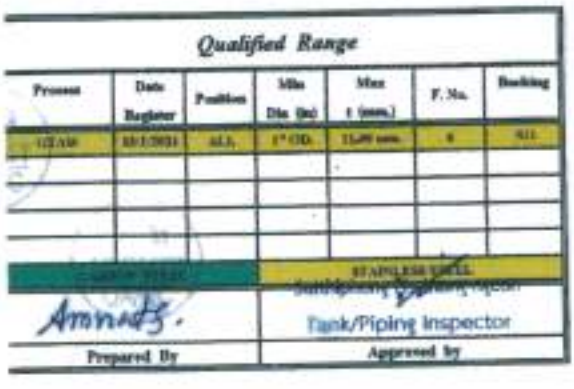

Unimit Engineering Public Company Limited

Stamp No. : UEC-W-137

Name : Mr.Somain

Process : GTAW

Material : P-No.8 To P-No.8


Qualified Range

| Process | Date Register | Position | Min Dia (in) | Max t (mm.) | F. No. | Backing |
|---|---|---|---|---|---|---|
| GTAW | 8/1/2021 | ALL | 1" OD. | 15.09 mm. | 6 | YES |

STAINLESS STEEL

Prepared By

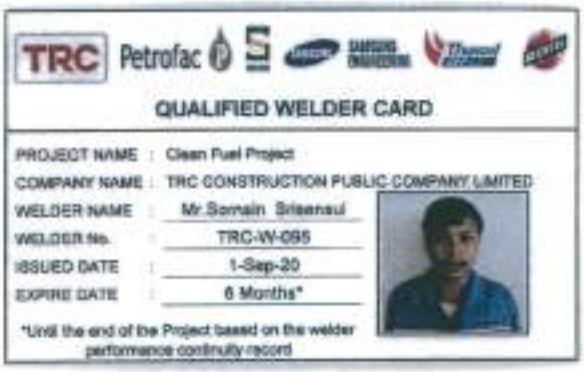
Tank/Piping Inspector

Approved by
















| RANGE QUALIFIED | | |
|---|---|---|
| WELDING PROCESS | GTAW | GTAW+SMAW |
| POSITION | All | All |
| MATERIAL | [illegible] | [illegible] |
| DIAMETER | OD ≥ 25 mm. | OD ≥ 72 mm. |
| WELD THICKNESS (MAX.) | 17.48 mm. | 6 mm.(GTAW) 13.94 mm.(SMAW) |
| AWS CLASSIFICATION | ER70S-6 | ER70S-6 E7018 |
| F-NO. | 5 | 6,4,3,2,1 |
| VALID DATE | 25-Oct-19 | 25-Oct-19 |




| Qualification Details | | | | | | |
|---|---|---|---|---|---|---|
| Process | Material | Electrode | Range Thk. | Range Dia. | Position | Qualified Date |
| GTAW | A-790 | [illegible] | [illegible] | Min. 5/8" Over | All | 25-Jun-19 |
| SMAW | A-790 | [illegible] | [illegible] | 3.7/8" & Over | All | 25-Jun-19 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

"Reference in mm & Dia. in Inches"

GC Polyols

**Welder Identification Card**



ID No. : MSL-PP-001

Name : Mr. Somsin Srisensui

Qualified Date : 08-Dec-18

This is to certify that the above person is qualified in accordance with the applicable Codes & Standards

Polyols Project

SK Engineering & Construction
21 DEC'18
SK Field Quality Manager
QA/QC Dept.

| Process | Material | Electrods | Range | | Position | Qualified Date |
|---|---|---|---|---|---|---|
| | | | Thk. | Dia. | | |
| GTAW | P-No.1 | ER70S-6 | Max. 11.08 mm. | Min. 1" Over | All | 8-Dec-18 |
| GTAW/ SMAW | P-No.1 | ER70S-6 / E7016 | Max. 12.04 mm. | Min. 2-7/8" Over | All | 8-Dec-18 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

"Thickness in mm & Dia. in inches"

GC Polyols

**Welder Identification Card**



ID No. :

Name :

Qualified Date :

This is to certify that the above person is qualified in accordance with the applicable Codes & Standards

Polyols Project

**Qualification Details**

| Process | Material | Electrods | Range | | Position | Qualified Date |
|---|---|---|---|---|---|---|
| | | | Thk. | Dia. | | |
| GTAW | P-No.1 | ER70S-6 | Max. 11.08 mm. | Min. 1" Over | All | 11-Dec-18 |
| GTAW/ SMAW | P-No.1 | ER70S-6 / E7016 | Max. 12.04 mm. | Min. 2-7/8" Over | All | 11-Dec-18 |
| GTAW | P-No.8 | ER308L | Max. 11.04 mm. | Min. 1" Over | All | 28-Aug-15 |
| | | | | | | |
| | | | | | | |

"Thickness in mm & Dia. in inches"

EGCO GROUP

Mitsubishi Corporation

STEGOM

KHANOM 2x488.8 MW POWER PLANT PROJECT

WELDER QUALIFICATION CERTIFICATE



NAME : Mr.Somsak Srisensui

WELDER NO : WP-047

QUALIFICATION : Pipe Welder

ISSUE BY : Sino-Thai Engineering & Construction Public Co., LTD

APPROVE BY : Mitsubishi Corporation

SIGNATURE

ASME IX

| Sino Welder has Qualified as the Followings | | | |
|---|---|---|---|
| WELDING PROCESS | GTAW | GTAW | SMAW |
| TEST POSITION | 6G | 6G | 6G |
| POSITION QUALIFY | All | All | All |
| BACKING | With or Without | With or Without | With |
| MATERIAL | P1-P1/P1-P1/P1-P1 | P1-P1/P1-P1/P1-P1 | P1-P1/P1-P1/P1-P1 |
| DIAMETER | 1" O.D. and Over | 2 3/8" O.D. and Over | 2 3/8" O.D. and Over |
| THICKNESS (Max.) | 11.08 mm | 8.00 mm | Unlimited |
| F NO. | 6 | 6 | 5-6 |
| VALID DATE | 08 Dec 18 | 08 Dec 18 | 08 Dec 18 |

STEGOM

TOYO

12 SPP POWER PLANT PROJECT

WELDER QUALIFICATION CERTIFICATE (PWHG)



NAME: Mr.Somsin Srisensui

WELDER NO.: WP-043

JOB NO: 3469-0-W - 3473-0-W

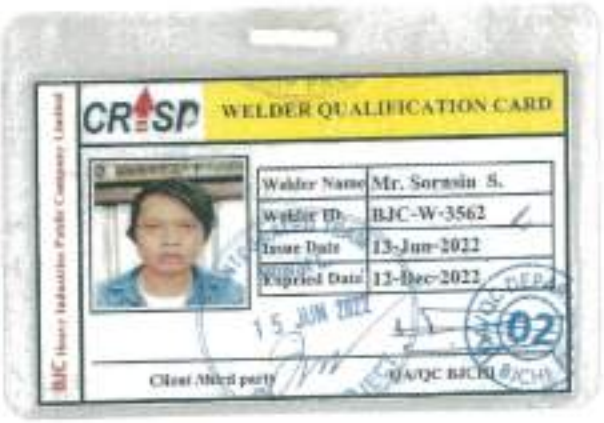
ISSUE BY : Sino-Thai Engineering & Construction Plc.

APPROVED BY:

DATE :

| This Welder has Qualified as the followings | | | | | |
|---|---|---|---|---|---|
| Process(es) | P-No. | Thk. (Max) | F-No | Position | Pipe Dia Limit |
| GTAW | P1 | 11.08 mm. | 6 | All | 3/4" NPS And Over |
| GTAW+SMAW | P1 | 6 mm.+15.84 mm. | 6+4 | All | 2 1/2" NPS And Over |
| | | | | | |
| | | | | | |
| | | | | | |

We certify that the statements in this record are correct and that the coupons were prepared,welded and tested in accordance with the requirements of Section IX of the ASME Code, : 2015



CRISP

WELDER QUALIFICATION CARD

| | |
|---|---|
| Welder Name | Mr. Sornsin S. |
| Welder ID | BJC-W-3562 |
| Issue Date | 13-Jun-2022 |
| Expired Date | 12-Dec-2022 |

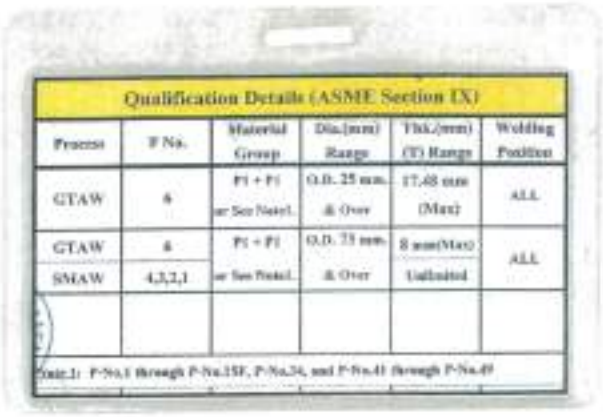
15 JUN 2022

02

Client /third party

QA/QC BJCHI

BJC Heavy Industries Public Company Limited



Qualification Details (ASME Section IX)

| Process | P No. | Material Group | Dia.(mm) Range | Thk.(mm) (T) Range | Welding Position |
|---|---|---|---|---|---|
| GTAW | 6 | P1 + P1 or See Note1. | O.D. 25 mm. & Over | 17.48 mm (Max) | ALL |
| GTAW | 6 | P1 + P1 or See Note1. | O.D. 75 mm. & Over | 8 mm(Max) | ALL |
| SMAW | 4,3,2,1 | | | Unlimited | |
| | | | | | |

Note.1: P-No.1 through P-No.15F, P-No.34, and P-No.41 through P-No.49


Thai National ID Card



รายการเกี่ยวกับบ้าน เล่มที่ 1

เลขรหัสประจำบ้าน 3902-001886-8 สำนักทะเบียน อำเภอนากลาง

รายการที่อยู่ 267 หมู่ที่ 20
ตำบลกุดดินจี่ อำเภอนากลาง จังหวัดหนองบัวลำภู

ชื่อหมู่บ้าน ชื่อบ้าน

ประเภทบ้าน บ้าน ลักษณะบ้าน

วันเดือนปีที่กำหนดบ้านเลขที่ 9 พฤศจิกายน 2542

ลงชื่อ นายทะเบียน
(นายสมัย เวชยรรฆต)
วันเดือนปีที่พิมพ์ทะเบียนบ้าน 3 มีนาคม 2560

1

4

เล่มที่ 1 รายการบุคคลในบ้านของเลขรหัสประจำบ้าน 3902-001886-8 ลำดับที่ 3

ชื่อ นายศรสิน ศรีเสนชุย สัญชาติ ไทย เพศ ชาย

เลขประจำตัวประชาชน 1-4114-00205-13-6 สถานภาพ ผู้อาศัย เกิดเมื่อ 29 พ.ย. 2534

มารดาผู้ให้กำเนิด ชื่อ จันทร์ 3-4114-00741-65-4 สัญชาติ ไทย

บิดาผู้ให้กำเนิด ชื่อ สมร 3-4114-00741-25-5 สัญชาติ ไทย

ย้ายมาจาก ฐานข้อมูลการทะเบียนราษฎร
เข้ามาอยู่ในบ้านนี้เมื่อ 9 พ.ย. 2542

นายทะเบียน
(นายสมัย เวชยรรฆต)

** ไปที่

นายทะเบียน

ก ▬ 366792

เลขประจำตัวประชาชน ๑ ๔๑๔ ๐๐๒๐๕ ๑๓ ๒๐

(แบบ สด. ๙)

**ใบสำคัญ**

ที่ ๒๕๖๑ วันที่ ๒ เดือน ตุลาคม พ.ศ. ๒๕๕๑

| | |
|---|---|
| ยศและชื่อ นายศรีสมัย ศรีเสนชุย | ตำบล กุดหินจี |
| เครื่องหมาย ๒๕ พฤศจิกายน ๒๕๓๔ | อำเภอ นากลาง |
| เกิด พ.ศ. | จังหวัด หนองบัวลำภู |
| บัดนี้อายุครบ ๑๗ ปีบริบูรณ์ | บิดาชื่อ สมร / ศรีเสนชุย |
| ตำหนิสำคัญ แผลเป็นที่ศีรษะ | มารดาชื่อ จันทร์ พันแก่น |
| ภูมิลำเนาทหาร บ้านหรือบ้านเลขที่ ๒๐๗ | สังกัด — |
| ถนน บ้านสว่างคุรุณ | ประจำจังหวัด อุดรธานี |
| ตรอก — | |
| ซอย — หมู่ที่ ๒๐ | |

ชั้นปี ๒๕๕๒ เข้าบัญชีทหารกองเกิน วันที่ ๑ เดือน มกราคม พ.ศ. ๒๕๕๒

เข้ากองประจำการ วันที่ — เดือน — พ.ศ. — ทะเบียนเล่ม —

ปลดเป็นทหารกองหนุนประเภทที่ ๒

ซึ่งอยู่ในชั้นต่าง ๆ คือ

| | | | |
|---|---|---|---|
| กองหนุนชั้นที่ ๑ | วันที่ — | เดือน — | พ.ศ. — |
| กองหนุนชั้นที่ ๒ | วันที่ ๑ | เดือน มกราคม | พ.ศ. ๒๕๖๔ |
| กองหนุนชั้นที่ ๓ | วันที่ ๑ | เดือน มกราคม | พ.ศ. ๒๕๗๔ |
| พันราชการทหาร | วันที่ ๑ | เดือน มกราคม | พ.ศ. ๒๕๘๐ |

นายอำเภอ

ประทับตราประจำตำแหน่ง

สัสดีอำเภอ

ช [redacted] ก 310918

เอกสารฉบับนี้ ตรวจสอบความถูกต้อง
ได้ที่ หน่วยบัญชาการกำลังสำรอง
ถนนเจริญกรุง เขตพระนคร
กรุงเทพมหานคร ๑๐๒๐๐

(แบบ สด.๔๓)

ฉบับที่ 218 เลขที่หมายเรียก 106/54

**ใบรับรองผล**

**การตรวจเลือกทหารกองเกินเข้ารับราชการทหารกองประจำการ พ.ศ.๒๕๕๕**

๑. **หลักฐานเกี่ยวกับประวัติบุคคล.**

๑.๑ ชื่อ นาย ศรีสิน ชื่อสกุล ศรีสนชุย

๑.๒ ภูมิลำเนาทหารตำบล ภูกดินดี

อำเภอ นากลาง จังหวัด หนองบัวลำภู

๑.๓ บัตรประจำตัวประชาชนหมายเลข

เลขประจำตัวประชาชน 1-4114-00200-13-6

๒. **ผลการตรวจเลือก**

๒.๑ กรรมการซึ่งเป็นผู้ประกอบวิชาศิลปะแผนปัจจุบันฯ ผู้ตรวจร่างกายเห็นว่า

สมบูรณ์ ควรเป็นคนจำพวกที่ 9

(ลายมือชื่อผู้ตรวจร่างกาย) พต.

๒.๒ ขนาดสูง 164 ซม. ขนาดรอบตัว 83/83 ซม.

(ลายมือชื่อกรรมการนายทหารสัญญาบัตร) [illegible]

๒.๓ คณะกรรมการตรวจเลือกกำหนดเป็นคนจำพวกที่ 9

(ลายมือชื่อกรรมการสัสดีจังหวัด) พ.ท.

๒.๔ ผลการจับสลาก

(ลายมือชื่อกรรมการสัสดีจังหวัด) พ.ท.

(ลายมือทหารกองเกิน) หรือ (ลายพิมพ์นิ้วมือ)

๓. **บันทึกอื่น ๆ**

**ขอรับรองว่าถูกต้อง**

พ.ต. [illegible] ประธานกรรมการ

ร.อ. [illegible] กรรมการ

พต. กรรมการ

ร.อ. [illegible] กรรมการ

กรรมการ

พ.ท. กรรมการ

กรรมการ

(ท่อนที่ ๓ สำหรับทหารกองเกิน)

# ระเบียนแสดงผลการเรียนหลักสูตรการศึกษาขั้นพื้นฐาน ช่วงชั้นที่ ๓ มัธยมศึกษาปีที่ ๑-๓

ปพ.๑ : ๓ | ชุดที่ 00003 เลขที่ 403946



โรงเรียน พระปริยัติธรรมแผนกสามัญศึกษาวัดหนองจิกวราราม
สังกัด สำนักงานพระพุทธศาสนาแห่งชาติ
ตำบลบ้านหวา อู่ทองใหญ่
อำเภอ อู่ทอง
จังหวัด สุพรรณบุรี
หลักสูตรที่ทางโรงเรียนใช้ หลักสูตรแกนกลาง พ.ศ. ๒๕๔๔
วันเข้าเรียนในโรงเรียนนี้ ๑๖ พฤษภาคม ๒๕๔๔
โรงเรียนเดิม ชั้นมัธยมศึกษาวัดหนองจิกวราราม
จังหวัด สุพรรณบุรี
ชั้นเรียนสุดท้าย ชั้นประถมศึกษาปีที่ ๖

ชื่อ นายพงศ์ พรสิน
ชื่อสกุล สถิตยานุกูล
เลขประจำตัวนักเรียน 00000
เลขประจำตัวประชาชน 0-0000-00000-00-0
เกิดวันที่ ๒๕ เดือน พฤษภาคม พ.ศ. ๒๕๓๔
ชื่อบิดา นายสมชาย สถิตยานุกูล
ชื่อมารดา นางสมศรี สถิตยานุกูล

## ผลการเรียนรายระดับการศึกษา

| รหัส / รายวิชา | หน่วยกิต | ผลการเรียน |
|---|---|---|
| **ปีการศึกษา ๒๕๔๕** | | |
| ท ๑๑๑๐๑ ภาษาไทย | ๒.๐ | ๓ |
| ค ๑๑๑๐๑ คณิตศาสตร์ | ๑.๕ | ๐ |
| ว ๑๑๑๐๑ วิทยาศาสตร์ | ๑.๕ | ๒ |
| ส ๑๑๑๐๑ สังคมศึกษา ฯ | ๑.๐ | ๒ |
| พ ๑๑๑๐๑ สุขศึกษา | ๐.๕ | ๒ |
| ศ ๑๑๑๐๑ ศิลปศึกษา | ๐.๕ | ๒ |
| ง ๑๑๑๐๑ การงานอาชีพ ฯ | ๑.๐ | ๒ |
| อ ๑๑๑๐๑ ภาษาต่างประเทศ (ภาษาอังกฤษพื้นฐาน) | ๑.๐ | ๑ |
| สาระเพิ่มเติม | | |
| ง ๑๑๒๐๑ คอมพิวเตอร์ | ๑.๐ | ๔ |
| บ ๑๑๒๐๑ ขาลี | ๑.๐ | ๒ |
| ธม ๑๑๒๐๑ ธรรม | ๑.๐ | ๒ |
| คบ ๑๑๒๐๑ จรรยาบรรณวิชาชีพ | ๐.๕ | ๓ |
| อ ๑๑๒๐๑ ภาษาต่างประเทศ (ภาษาอังกฤษเสริม) | ๑.๐ | ๔ |

| รหัส / รายวิชา | หน่วยกิต | ผลการเรียน |
|---|---|---|
| **ปีการศึกษา ๒๕๔๗** | | |
| ท ๑๑๑๐๒ ภาษาไทย | ๒.๐ | ๒ |
| ค ๑๑๑๐๒ คณิตศาสตร์ | ๑.๕ | ๐ |
| ว ๑๑๑๐๒ วิทยาศาสตร์ | ๑.๕ | ๒ |
| ส ๑๑๑๐๒ สังคมศึกษา ฯ | ๑.๐ | ๒ |
| พ ๑๑๑๐๒ สุขศึกษา | ๐.๕ | ๒ |
| ศ ๑๑๑๐๒ ศิลปศึกษา | ๐.๕ | ๒ |
| ง ๑๑๑๐๒ การงานอาชีพ ฯ | ๑.๐ | ๑ |
| อ ๑๑๑๐๒ ภาษาต่างประเทศ (ภาษาอังกฤษพื้นฐาน) | ๑.๐ | ๑ |
| สาระเพิ่มเติม | | |
| ง ๑๑๒๐๒ คอมพิวเตอร์ | ๑.๐ | ๒ |
| บ ๑๑๒๐๒ ขาลี | ๑.๐ | ๑ |
| ธม ๑๑๒๐๒ จรรยา | ๑.๐ | ๒ |
| คบ ๑๑๒๐๒ จรรยาบรรณวิชาชีพ | ๐.๕ | ๑ |
| อ ๑๑๒๐๒ ภาษาต่างประเทศ (ภาษาอังกฤษเสริม) | ๑.๐ | ๑ |

| รหัส / รายวิชา | หน่วยกิต | ผลการเรียน |
|---|---|---|
| **ปีการศึกษา ๒๕๔๘** | | |
| ท ๑๑๑๐๓ ภาษาไทย | ๒.๐ | ๓ |
| ค ๑๑๑๐๓ คณิตศาสตร์ | ๑.๕ | ๑ |
| ว ๑๑๑๐๓ วิทยาศาสตร์ | ๑.๕ | ๑.๕ |
| ส ๑๑๑๐๓ สังคมศึกษา ฯ | ๑.๐ | ๑ |
| พ ๑๑๑๐๓ สุขศึกษา | ๐.๕ | ๓.๕ |
| ศ ๑๑๑๐๓ ศิลปศึกษา | ๐.๕ | ๑.๕ |
| ง ๑๑๑๐๓ การงานอาชีพ ฯ | ๑.๐ | ๑ |
| อ ๑๑๑๐๓ ภาษาต่างประเทศ (ภาษาอังกฤษพื้นฐาน) | ๑.๐ | ๐.๕ |
| สาระเพิ่มเติม | | |
| ง ๑๑๒๐๓ คอมพิวเตอร์ | ๑.๐ | ๑.๕ |
| บ ๑๑๒๐๓ ขาลี | ๑.๐ | ๐ |
| ธม ๑๑๒๐๓ จรรยา | ๑.๐ | ๒.๕ |
| คบ ๑๑๒๐๓ จรรยาบรรณวิชาชีพ | ๐.๕ | ๒.๕ |
| อ ๑๑๒๐๓ ภาษาต่างประเทศ (ภาษาอังกฤษเสริม) | ๑.๐ | ๓.๕ |

| ผลการเรียนเฉลี่ยตลอดหลักสูตร | หน่วยกิต | ผลการเรียน |
|---|---|---|
| ภาษาไทย | ๖.๐ | ๘.๖ |
| คณิตศาสตร์ | ๔.๕ | ๑.๓ |
| วิทยาศาสตร์ | ๔.๕ | ๕.๕ |
| สังคมศึกษา ศาสนา และวัฒนธรรม | ๓.๐ | ๒.๐ |
| สุขศึกษา | ๑.๕ | ๒.๕ |
| ศิลปศึกษา | ๑.๕ | ๑.๕ |
| การงานอาชีพ และเทคโนโลยี | ๓.๐ | ๒.๐ |
| ภาษาต่างประเทศ | ๓.๐ | ๑.๑ |
| สาระเพิ่มเติม | ๑๓.๕ | ๑.๕ |

เอน ๑



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# ใบสำคัญการสมรส

**แสดงว่า**

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**กับ**

น.ส.สมปอง ห้วยหงษ์ทอง

**ได้จดทะเบียนสมรส**

**ณ สำนักทะเบียน** อำเภอบ้านฉาง

**จังหวัด** ระยอง

**เลขทะเบียนที่** 127/22790

**เมื่อวันที่** 30 **เดือน** มกราคม **พ.ศ.** 2566

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