



CERTIFICATE OF ACCEPTANCE

This is to certify that Supplier Technical Assessment Record for Project Services (Pending) is awarded to:


Colson X-Cel Ltd.

Manufacturing location:	Park Works, Park Road, Elland, West Yorkshire, HX5 9HN, UK
Based on the Technical Qualification carried out during October 2015, May 2016 and October to November 2016 in accordance with testing procedure SPE 77/300 dated December 2012 has been accepted by Shell Global Solutions International B.V. based on successful Type Acceptance Testing (TAT) result of:	
DN15xDN15 pressure class 600; Process to Instrument valve with MESC - 77.85.5X.023.1 (Item-01) DN15xDN15 pressure class 1500; Process to Instrument valve with MESC - 77.85.5X.633.1 (Item-02) DN15xDN15 pressure class 2500; Process to Instrument valve with MESC - 77.85.5X.243.1 (Item-03)	
TAT Dates:	From 12 th to 14 th of October 2015 (week 42), 03 rd to 06 th of May 2016 (week 18) and 31 st of October to 04 th of November 2016 (week 44).
As a Technical Audit needs to be carried out the company is awarded level: Pending Technical Audit.	
The Project Services (Pending) rating in the Shell Global Solutions Technically Accepted Manufacturers And Products (TAMAP) database is applicable to the MESC Sub-sub Groups, listed in Technical Specification MESC SPE 77/300B in accordance with tested valves description on page 2 and 3.	
Restrictions / Conditions Applicable:	Valve design according Sarawak project valve specification. Number of re-tests were required to pass testing.
Shell GSI report: SR.15.12889	Original acceptance: 04-11-2016
Shell GS contract: 141275 & 141384	Current certificate: 04-11-2016
Acceptance certificate no: 2016-11-004	Certificate expiry: 04-11-2021
Issued by Shell Global Solutions International B.V. PTE-EMMI	

Name:

Rob Hengst,
GSNL-PTE/EMMI

Signature
VS-007 Mech. Eng. Valves
Shell Enterprise Accepted
Name: Rob Hengst
Date & Sign: 2.12.2017



The valve qualification range according following tested valves:

Item-01: DN15xDN15 pressure class 600; Process to Instrument valve with MESC - 77.85.5X.023.1

Technical Classification Code:	PI-BA-ST-UD-OP-XX-MF-I17292-PR
Product Group Description	Mono flange process to instrument valve, full bore Double block & bleed, integral bonnet, soft seated, floating block Ball valve with bleed Ball valve and body cavity relief. Design to ISO 17292; sour service, NACE MR-01-75 (ver. 2002) Body material: A182 Grade F316 Ball material: ASTM A479 UNS S31600 Stem material ASTM A479 UNS31603 Seat material: PEEK Lip-seal material: PTFE + Elgiloy
Shell Fugitive Emission Class:	B
Test Temperature Range:	From -50 °C to +150 °C
Size and Pressure Range:	Internal Bore: DN15, DN20, DN25, DN40 and DN50 ASME Class: 150, 300 and 600
Brand name & Model Designation:	Colson X-Cel
GA Drawing of TA-tested valve:	DGBABC3840NF0D-TAT with revision-1 from 08/01/2015

Item-02: DN15xDN15 pressure class 1500; Process to Instrument valve with MESC - 77.85.5X.633.1

Technical Classification Code:	PI-BA-ST-UD-OP-XX-MF-I17292-PR
Product Group Description	Mono flange process to instrument valve, full bore Double block & bleed, integral bonnet, soft seated, floating block Ball valve with bleed Ball valve and body cavity relief. Design to ISO 17292; sour service, NACE MR-01-75 (ver. 2002) Body material: A182 Grade F316 Ball material: ASTM A479 UNS S31600 Stem material ASTM A479 UNS31603 Seat material: PEEK Lip-seal material: PTFE + Elgiloy
Shell Fugitive Emission Class:	B
Test Temperature Range:	From -50 °C to +150 °C
Size and Pressure Range:	Internal Bore: DN15, DN20, DN25, DN40 and DN50 ASME Class: 900 and 1500
Brand name & Model Designation:	Colson X-Cel
GA Drawing of TA-tested valve:	DGBABF3840NF0D-TAT with revision-1 from 08/01/2015

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Item-03: DN15xDN15 pressure class 2500; Process to Instrument valve with MESC - 77.85.5X.243.1

Technical Classification Code:	PI-BA-ST-UD-OP-XX-MF-I17292-PR
Product Group Description	Mono flange process to instrument valve, full bore Double block & bleed, integral bonnet, soft seated, floating block Ball valve with bleed Ball valve and body cavity relief. Design to ISO 17292; sour service, NACE MR-01-75 (ver. 2002) Body material: A182 Grade F316 Ball material: ASTM A479 UNS S31600 Stem material ASTM A479 UNS31603 Seat material: PEEK Lip-seal material: PTFE + Elgiloy
Shell Fugitive Emission Class:	B
Test Temperature Range:	From -50 °C to +150 °C
Size and Pressure Range:	Internal Bore: DN15, DN20, DN25, DN40 and DN50 ASME Class: 2500 only
Brand name & Model Designation:	Colson X-Cel
GA Drawing of TA-tested valve:	DGBABG3840NF0D-TAT with revision-1 from 08/01/2015


 VS-007 Mech. Eng. Valves
 Shell Enterprise Accepted
 Name: Rob Hengst
 Date & Sign: 12/2/2017