



CERTIFICATE OF ACCEPTANCE

This is to certify that a gasket design approval has been awarded to:

Company: James Walker
Manufacturing Location: James Walker Moorflex Ltd, John Escritt Road, Bingley
Brand: James Walker Insolion G10
Technical Qualification Result: TAMAP / Project Use

Based on the Shell Global Solutions Technical Qualification, the performed Type Acceptance Testing (TAT) in accordance with testing procedure SPE 85/300 (dated February 2019) has been accepted on May 21st - 2019 by Shell Global solutions International B.V. based on successful TAT result of:

Gasket Type	Pressure Class	Allow. Operating Temp Range	Size	Emission class
Electrical isolating	150 # - 2500 #	-150° up to 150 °C	½" – 24"	A (He)


Gasket material	Stainless steel 316L core with G10B (woven glass fibre reinforced epoxy) laminated to either face. Into both gasket faces concentric grooves house a phynox spring energized PTFE seal. See page 2 for the gasket summary sheet.
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Shell GSI Report No: N.A. (Not Applicable)	Original acceptance: May 21 st - 2019
Shell GSI contract no: N.A.	Current Certificate: May 21 st - 2019
Certificate Revision: 0	Certificate Expiry: May 21 st - 2024
Issued By: Shell Global Solutions International B.V. GSNL-PTE/EMMI – Bas van der Heijden Bas.vanderHeijden@shell.com	Suppliers Report No.: Dated 22/08/2017, prepared by M. Coulthard.
	Suppliers Contact: Mark Richardson Mark.richardson@jameswalker.biz

Signature / Stamp:

Date:

May 21st
2019.

Company:	James Walker		
Manufacturing Location:	James Walker Moorflex Ltd, John Escritt Road, Bingley, BD16 2BS, United Kingdom		
Product Description:	Tested in Accordance with:		
James Walker InsoLion® G10, electrical isolating gasket consisting of a stainless steel 316L core, with G10B (woven glass fibre reinforced epoxy) laminated to either face. Into both gasket faces concentric grooves house a phynox spring energised PTFE seal. Designed to: SPE 85/201 (dated February 2017) and SPE 85/300 (dated February 2017)	TA Testing in accordance to Shell MESC SPE 85/300 (dated February 2017), carried out by James Walker Test Laboratories in period April 2017; with witness testing carried out by DNV.GL during period July 2017.		
3rd Party Witness Testing in accordance with specification Shell MESC SPE 85/300 - Crucial Tests Identified by Shell to be Witnessed			
Final Testing Carried out at James Walker Test Laboratories using the TEMES Amtec F1.A11 test rig; 3RD party witnessed by DNV.GL under project name A0428355			
	Specification	Result	
- Shell Leakage test at ambient temperature (MESC SPE 85/300 – 3.3.2)	CLASS A (He)	4.51 E-10 Pa.m ³ /s/mm	PASS
- Shell Leakage test – High Operational Tightness Test- HOTT, (MESC SPE 85/300 – 3.3.5)	<1.0 Bar	+0.15 Bar	PASS
- Electrical Isolation Testing DC, 1500V (Flange to Flange), (MESC SPE 85/300 – 3.3.15)	>100MΩ	>462MΩ	PASS
- Electrical Isolation Testing DC, 1500V (Flange to Bolt), (MESC SPE 85/300 – 3.3.15)	>100MΩ	>18.7GΩ	PASS
DNV Witness Stamp			
 Digitally Signed By: Seaman, Graham John Signing Date: 07 September 2017			
James Walker Internal Type Acceptance Testing in accordance with specification Shell MESC SPE 85/300			
	Specification	Result	
- Shell Leakage test – Hot Blowout Test - HOBOT-1, (MESC SPE 85/300 – 3.3.6)	No Blowout at 1.5 x rated pressure	<0.4 Bar pressure loss (No Blowout)	PASS
- Compression test at ambient temperature (MESC SPE 85/300 – 3.3.4: EN13555)	Gasket Characteristic Properties	Q _{smax} 175MPa	N/A
- Compression test at 150°C (MESC SPE 85/300 – 3.3.4: EN13555)		Q _{smax} 175MPa	
- Relaxation test at ambient temperature (MESC SPE 85/300 – 3.3.4: EN13555)		P _{QR} 0.99 at 52MPa	
- Relaxation test at 150°C (MESC SPE 85/300 – 3.3.4: EN13555)		P _{QR} 0.99 at 52MPa	
- Leakage test (MESC SPE 85/300 – 3.3.4: EN13555)		Q _{smin} (0.00001) 8MPa	
- Visual Examination		Minor witness marks	PASS
Product Group Description:	Flange insulation kits, consisting of flange insulation gasket, insulating sleeves, insulating and metal washers		
Pressure Class Range:	ASME Classes 150, 300, 600, 900, 1500 & 2500		
Size Range:	DN 15 (1/2") to DN 600 (24")		
Brand Name & Model Designation:	James Walker InsoLion® G10		
Reference Drawings:	JWC-TA-207655		

High Performance Sealing Technology

This information is based on our general experience and is given in good faith, but because of factors which may be outside our knowledge or control and which could affect the use of products, no warranty is given or implied with respect to such information.

