



CERTIFICATE OF ACCEPTANCE

This is to certify that Supplier Technical Assessment Record (STAR) level 2 of:

Company:	Leader Gasket of Slovakia. S.R.O., (a division of Leader Global Technologies),	
Manufacturing location:	Pšurnovická 1026, UL 1 maja 01483, 014 01 Bytča, Republic of Slovakia.	
The company has been accepted by Shell Global Solutions based on positive test results of:		
ElastaGraph® sheeting & gaskets with graphite cover layers: Gasket for tests 1,2,3: PN 10-16, dim. =108.8 x 161.5 x 1.9mm, Gasket for test 4: PN 10-16, dim. = 135.1 x 92.1 x 2.0 mm.	TA-testing dates: 28 February 2005 and 04 July 2007.	
At Amtec, Laufen, Germany, these ElastaGraph® test gaskets passed:		
1. Type Acceptance compression & recovery tests in accordance with spec. T-2.232.686: 07-2002.		
2. Helium leakage test at ambient temp, P = 20 barg and gasket stress = 26 MPa, resulted in FE-leakage rate = 4.39 x 10E-7 Pa*m ³ /s (= FE tightness class C).		
3. Visual gasket and test-rig inspection.		
For test details see Amtec test report no.: 301-215-1		
4 Hot blow-out test (HOBT) resulted in no gasket blow-out.		
Ref Amtec test report no.: 301-563-2/-		
Final testing at Amtec in Lauffen Germany was witnessed by Shell-GSI (Mr. W.van Maaren).		
The 2-STAR rating in the Shell Global Solutions Technically Accepted Manufacturers And Products (TAMAP) database is applicable to:		
MESC Product Group Code:	85AACG	
Product Group Description:	Gasket rings from expanded graphite with one SS-insert (corrugated) to ASTM A240 Type 316(L) and graphite cover layers Design to EN 12560 PART 1, SPE 85/101 & 85/203.	
MESC Sub-sub Groups:	MESC 85.30.	
Shell Fugitive Emission Class:	C _H	
Pressure Class Range:	ASME Classes 150 and 300	
Size Range:	DN 15 (1/2") - DN 600 (24') and 2 mm thickness	
Temperature Range (max):	-200 °C to + 450 °C	
Brand name & Model Designation:	JM Clipper / Leader Gasket of Slovakia. S.R.O., ElastaGraph®	
Reference Drawing:	TP-20.009	
Shell-GSI deal no.: 50978. Technical audit of the manufacturing facility.	Original acceptance:	04 July 2007
Amtec Laboratory, Lauffen-Germany test report number: 301-215.	Current certificate:	21 April 2008
Activity code: 54001260	Certificate expiry:	04 July 2012
Acceptance certificate no: 2008-04-001.	Issued by Shell Global Solutions International B.V. GSNL-GSEMH	

Name:
C.A.W. Glansdorp

Signature: