

Resistance of Elastomer Material to Explosive Decompression TEST CERTIFICATE

Requested by : *GASKET INTERNATIONAL*

Elastomer Material :

- Manufacturer : *GASKET INTERNATIONAL*
- Reference : *VITON ED Sh.90-5 T57/VED-C*
- Batch number : *06/0175*
- Production period : *24/11/06*
- Production unit Location :
• Town : *CASTELLI CALEPIO*
- Country : *ITALY*

Dimensions :

- Cross-section : *6.99* mm
- Internal diameter : *113.67* mm

Has been tested by our Center "Technologies de l'Etanchéité"

Test Protocol issued from : *TOTAL Procedure GS PVV 142 03/01 Rev 00*

Test conditions :

- Fluid : *80 % CH₄, 20 % CO₂*
- Pressure : *190 bar ± 2 bar*
- Temperature : *75°C ± 2 °C*
- Number of decompression : *5*
- Decompression rate : *190 to 0 bar in 90 s (linear decompression)*
- Soaking times : *72 h and 4 times 48 h*
- Dwell time : *1 h*
- Nominal groove fill : *73 %*
- Actual groove fill : *72.9 %*
- Nominal axial compression : *13.7 %*
- Actual axial compression : *13.03 %*

Test result :

- No visible crack on the external surface of three O-rings tested simultaneously.
- The maximum Norsok rating (M710 rev. 02/10/01) is **0000**

In accordance with detailed test report N° CET0011218/6J1/a dated *7th March 2007*

Certificate N° *TDE 2007 -01m* delivered in Nantes, on *12 June 2007*

By delegation of the General Manager, Philippe DE LACLOS

The Manager of "Technologies de l'Etanchéité"

Yves BIREMBAUT



Centre technique des industries mécaniques



Siège social 52, avenue Félix-Louat - B.P. 80067 - 60304 Senlis Cedex Tél. 03 44 67 30 00

Centre Technique, régi par les articles L342.1 à L342.13 du Code de la Recherche

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