

Centre de Technologie et d'Expertises

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Cancels and replaces the previous report n° 2016/R216 of August 18th, 2016

TEST REPORT N° 2016/ R 216a1

TEST ORDER: OB5859

DESCRIPTION OF TESTS:

**Autogenous Ignition Test with Oxygen according
to NF EN ISO 11114 – 3 and NF EN 1797 Standards on Krytox™
Sodium Nitrile Inhibited – GPL 225**

Applicant: Chemours International Operations SARL
Dupont Meyrin Laboratory WX36
Route du Nant d'avril 146-CH-1217 Geneva
Switzerland

The Head of Center
Olivier Beuneken

ORIGINAUX SIGNES

Technical Manager: Olivier Longuet

Technician(s): Dinesh Nadaradjane, Olivier Longuet

Distribution: Chemours International Operation SARL / Mme Claudine Picore
(Claudine.picore@chemours.com)

Emission date: August 30th, 2016

This report includes 5 pages

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ACCREDITATION n° 1-2319
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SUMMARY

At the request of Chemours International Operations Company, we carried out an Autogenous ignition test with oxygen at a test pressure of 120 bar according to NF EN ISO 11114-3 and EN 1797 standards on Krytox™ Sodium Nitrile Inhibited – GPL 225.

Tests Results:

- Up to 500°C at 120 bar of oxygen, no autogenous ignition temperature was observed whereupon the testing was complete and discontinued.



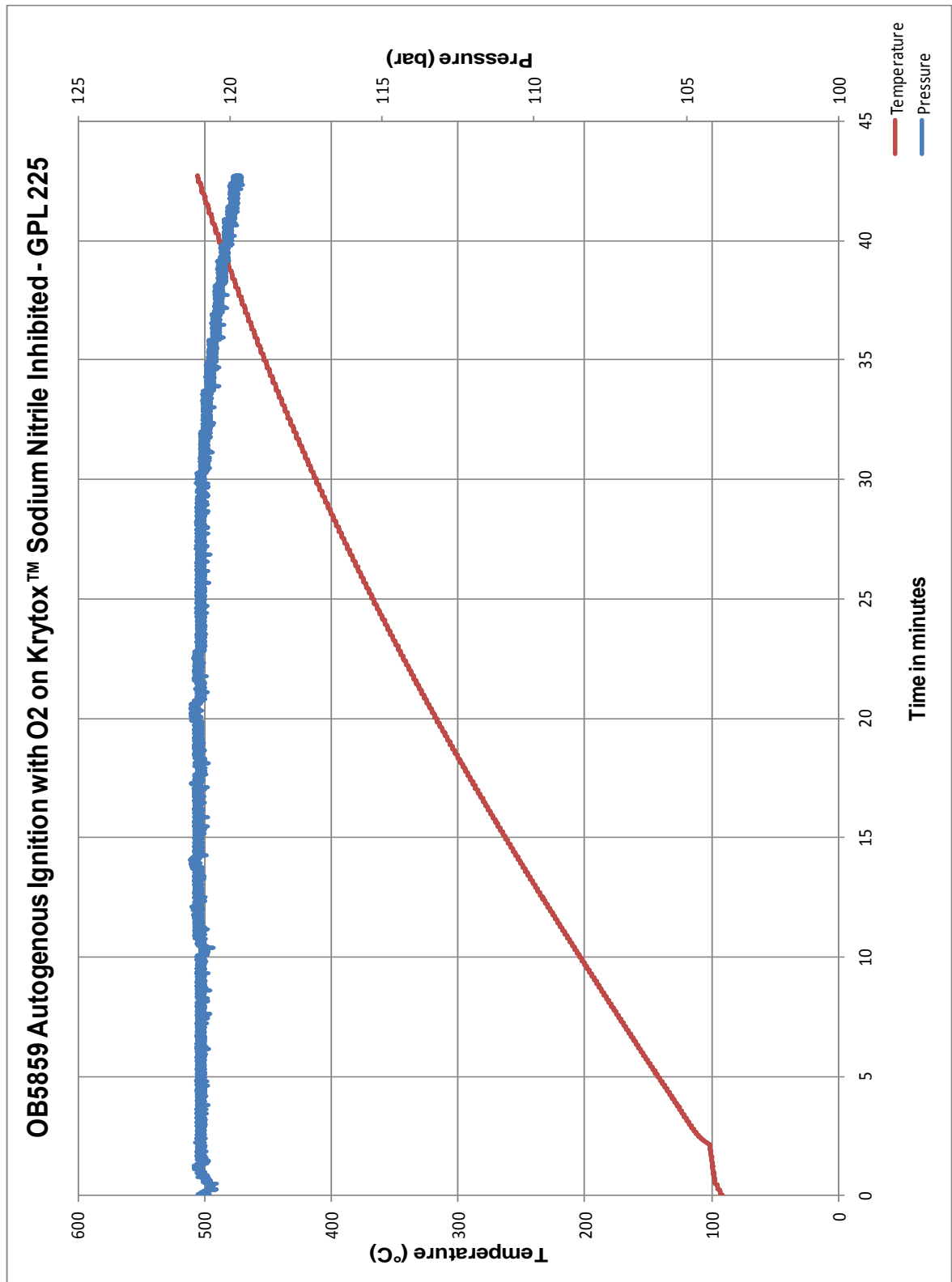
The picture of the sample before the test, ref: Krytox™ Sodium Nitrile Inhibited – GPL 225

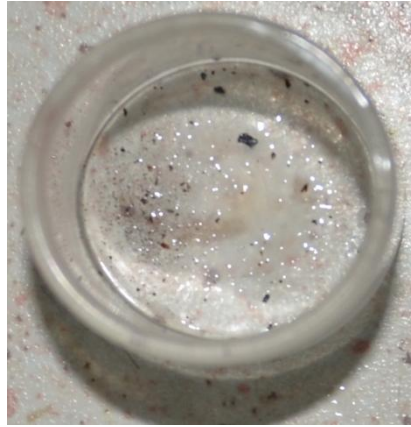
NOTA BENE: This report concerns only the samples that have been submitted to test.

Auto-ignition sheet

AUTO IGNITION TEST according to EN ISO 11114-3		Data sheet # : 5859
		Test date : 04/07/2016
		Request # : 085859
Request by : <i>Chemours International Operations SARL</i>		
Material : <i>Krytox™ Sodium Nitrile Inhibited - GPL 225</i>		
Function : <i>Grease</i>		
Supplier : <i>Chemours International Operations SARL</i>		
Country : <i>Switzerland</i>		
Date of reception : <i>15/04/2016</i>		
<u>Conditions of use</u>		
Condition, shape, appearance : <i>White</i>		
Assumed composition :		
<u>Test conditions</u>		
Standard applied : <i>EN ISO 11114-3</i>		
Weight of sample (g) : <i>0.49 +/- 0.01</i>		
Medium : <i>02</i>		
RESULTS		
	<i>Pressure in bar</i>	<i>Temperature in °C</i>
	<i>Start</i>	<i>Start</i>
	120.8	
	<i>Peak</i>	<i>Peak</i>
	<i>difference dP</i>	<i>difference dT</i>
OBSERVATIONS		
Up to 500 °C at 120 bar of oxygen, no autogenous ignition temperature was observed whereupon the testing was complete and discontinued		
COMMENTS		
Pressure : 120.8 +/- 1 bar		
Technical Manager Olivier Longuet		Technician Dinesh Nadaradjane
AIR LIQUIDE GLOBAL E&C solutions France SA		
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Test diagram





The picture of the sample after the spontaneous ignition test with oxygen

CONCLUSION

- Up to 500 °C at 120 bar of oxygen, no autogenous ignition temperature was observed whereupon the testing was complete and discontinued.