

Centre de Technologie et d'Expertises

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Cancels and replaces the previous report n° 2016/R217 of August 18th, 2016

TEST REPORT N° 2016/ R 217a1

TEST ORDER: OB5858

DESCRIPTION OF TESTS:

**Autogenous Ignition Test with Oxygen according
to NF EN ISO 11114 – 3 and NF EN 1797 Standards on Krytox™
PFPE Oils –VPP1525**

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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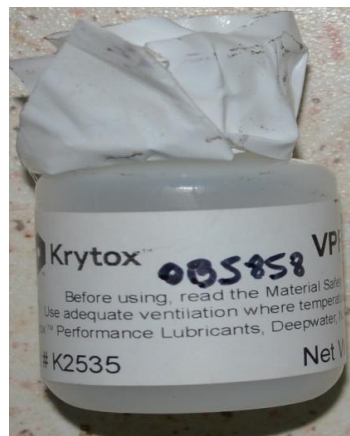
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SUMMARY

At the request of Chemours International Operations Company, we carried out an Autogenous ignition test with oxygen at test pressure of 120 bar according to NF EN ISO 11114-3 and EN 1797 standards on Krytox™ PFPE Oils-VPF1525.

Tests Results:

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



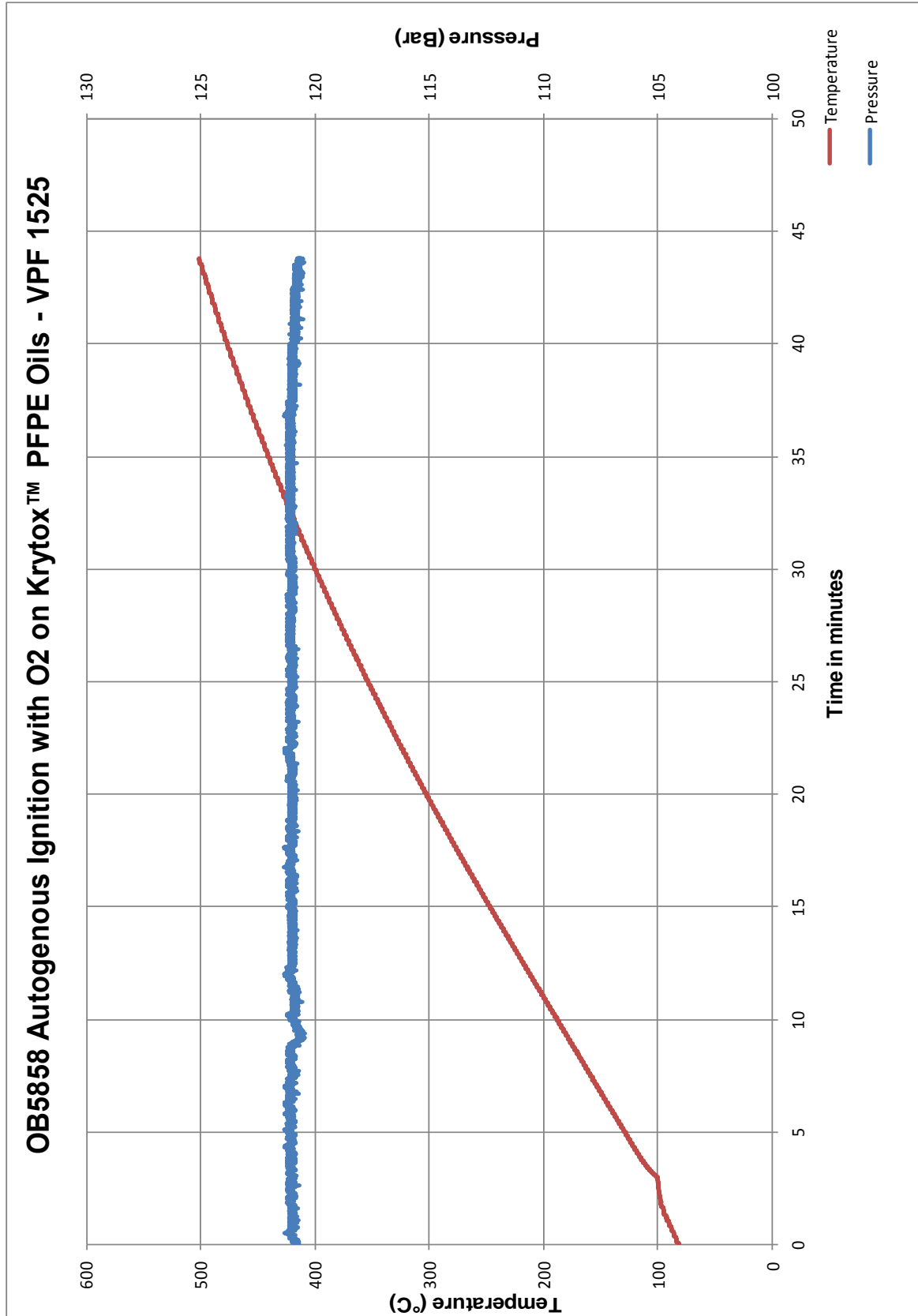
The picture of the sample before the test, ref: Krytox™ PFPE Oils-VPF1525

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 # : 5858 Test date : 05/07/2016 Request # : OB5858
Request by : <i>Chemours International Operations SARL</i>		
Material : <i>Krytox™ PFPE Oils - VPF1525</i> Function : <i>Oil</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>Liquid</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>
	120.9	
	<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 :120.9 +/- 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.