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Cancels and replaces the previous report n° 2016/R219 of August 18th, 2016

TEST REPORT N° 2016/ R 219a1

TEST ORDER: OB5857

DESCRIPTION OF TESTS:

Autogenous Ignition Test with Oxygen according to NF EN ISO 11114 – 3 and NF EN 1797 Standards on Krytox™ PFPE Oils –VPF1506

Applicant: Chemours International Operations SARL
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Olivier Beuneken

The Head of Center

Switzerland

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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Autogenous ignition test with oxygen according EN ISO
11114-3 and NF EN 1797 standards on Krytox™ PFPE
Oils –VPF1506

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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™ PFPE Oils-VPF1506.

Test 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-VPF1506

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



Autogenous ignition test with oxygen according EN ISO 11114-3 and NF EN 1797 standards on Krytox™ PFPE

Oils -VPF1506

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Auto-ignition sheet

AUTO IGNITION TEST according to EN ISO 11114-3 Data sheet # : 5857

Test date : 05/07/2016

Request #: OB5857

Request by : Chemours International Operations SARL

Material : Krytox™ PFPE Oils - VPF1506

Function :

Supplier : Chemours International Operations SARL

Country: Switzerland Date of reception : 15/04/2016

Conditions of use

Condition, shape, appearance: Liquid

Assumed composition :

Test conditions

Standard applied : EN ISO 11114-3 Weight of sample (g) : 0.5 +/- 0.01 Medium: 02

RE.	<u> SU</u>	LT	<u>5</u>

Pressure in bar	Temperature in °C
Start	Start
120.2	
Peak	Peak
difference dP	difference dT

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 :120.2 +/- 1 bar

Technical Manager Olivier Longuet

Technician Dinesh Nadaradjane

AIR LIQUIDE GLOBAL E&C solutions France SA

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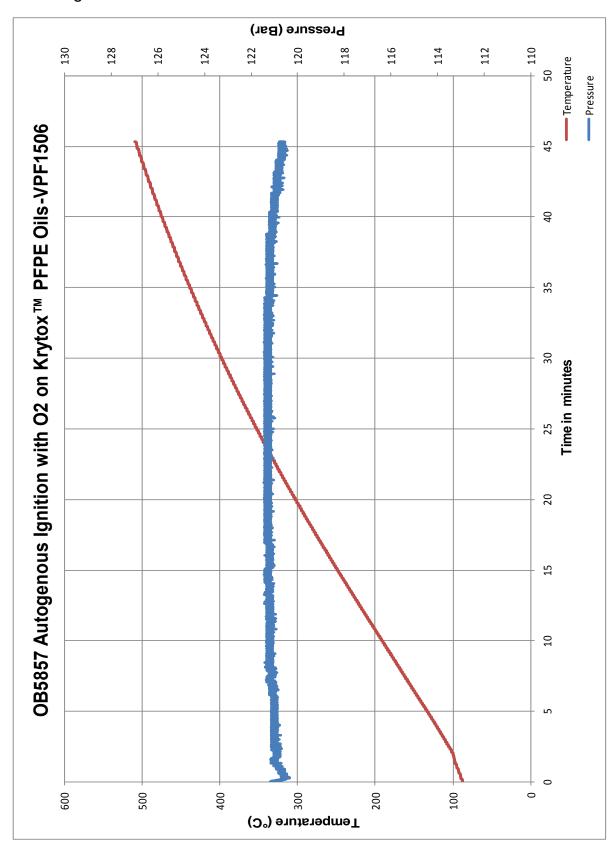
Autogenous ignition test with oxygen according EN ISO 11114-3 and NF EN 1797 standards on Krytox™ PFPE Oils –VPF1506

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Test diagram





Autogenous ignition test with oxygen according EN ISO 11114-3 and NF EN 1797 standards on Krytox™ PFPE Oils –VPF1506

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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.