

Contamination by Fluids Test Results

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March 4, 2016

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Purchase Order Number: Credit Card

A. <u>TEST</u> :	Contamination by Fluids
B. <u>TEST ITEMS</u> :	Three (3) Placards Part Number - None Serial Numbers 0003, 0004, and 0005
C. <u>SPECIFICATIONS</u> :	 Optic Clear Solutions Document No. OCS-TP-0001, Revision A, Paragraph 3 ANSI NCSL Z540-1

3. ISO 17025:2005

D. RESULTS:

This is to certify that the Placards were subjected to the Contamination by Fluids Test according to the above specifications.

There were no anomalies noted as a result of the test. The Placards were returned to Optic Clear Solutions for post tests and final evaluation.

Test data, an equipment list, and photographs are attached.

Karén Norton. Preparer

John Guzman.

Cathv Ruthble.

Quality Coordinator

Program Manager

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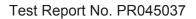


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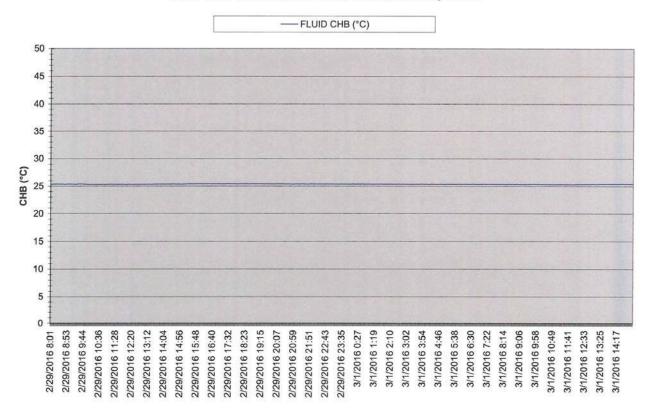
GENERAL DATA SHEET

Optic Clear	MJO:	PR045037		
Contamination by Fluids	DATE:	2/29/2016		
Placards				
NA	S/N:	0003, 0004, 0005		
OCS-TP-0001	PARA:	3		
Heng Tieng	TEMP:	76°F	RH: 48%	
John Guzman J. G.	DEVIAT	ION: NO X	YES	
	Contamination by Fluids Placards NA OCS-TP-0001 Heng Tieng	Contamination by FluidsDATE:PlacardsS/N:NAS/N:OCS-TP-0001PARA:Heng TiengTEMP:	Contamination by Fluids DATE: 2/29/2016 Placards NA S/N: 0003, 0004, 0005 OCS-TP-0001 PARA: 3 Heng Tieng TEMP: 76°F	

Date	Time	Test Description					
		SN: 0003, Engine Oil: 23°C & Gasoline: 23°C					
		SN: 0004, Seawater: 23°C & Isopropyl Alcohol: 23°C					
		SN: 0005, Hydraulic Oil: 23°C & Degreasing Solvent: 23°C					
		1st set of fluids, Engine Oils, Seawater, Hydraulic Oil					
2/29/16	0800	Begin 1 hr wetted condition and followed by a 7 hr dry period					
	1035	Observed unit					
	1212	Observed unit					
	1458	Observed unit					
	1600	Observed unit					
	1605	8hrs complete, observed unit, no anomalies					
		2nd set of fluids, Gasoline, Isopropyl Alcohol, Degreasing Solvent					
3/1/16	0730	Begin 1 hr wetted condition and followed by a 7 hr dry period					
	0914	Observed unit					
	1030	Optic Clear personnel observed unit and reported with no anomalies					
	1129	Observed unit					
	1354	Observed unit					
	1505	Observed unit					
	1530	8hrs complete, observed unit, no anomalies					
		TEST COMPLETE					
		RESULT: Return to Optic Clear for further evaluation					







Optic Clear Solutions, PR045037, Contaminates by Fluids



EQUIPMENT LIST

Contamination by Fluids Equipment List

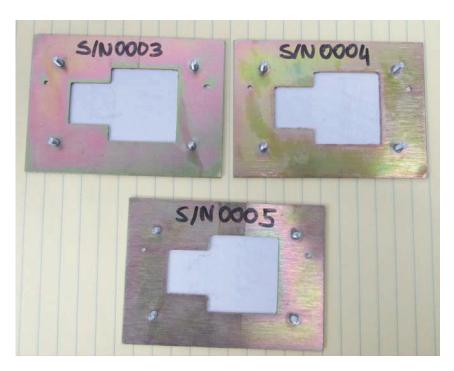
Customer: Optic Clear Solutions

MJO: PR045037

Date: 02/29/16

Control No.	Equipment	Manufacturer	Model No.	Serial No.	Accuracy		Calibration	
Control No.	Equipment	Wanulacturer	Model No.	Serial NO.	Accuracy	Range	Cycle	Cal. Due
FL6949	Chamber (Temperature)	Thermotron	S-4C	19075	± 0.5% FS	-68 to 177 °C/20 to 95%RH	No Calibration Required	N/A





Placards Part Number – None, Serial Numbers 0003, 0004, and 0005



Contamination by Fluids – Gasoline Serial Number 0003





Contamination by Fluids – Engine Oil Serial Number 0003

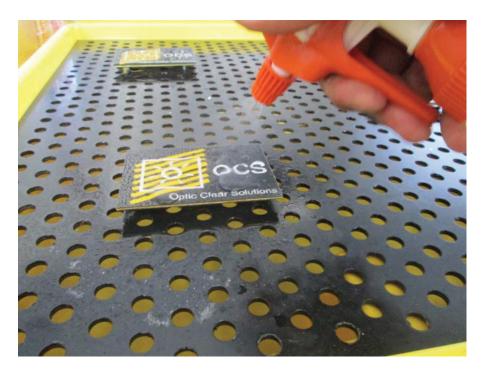


Post Fluid Exposure Serial Number 0003





Contamination by Fluids – Isopropyl Alcohol Serial Number 0004

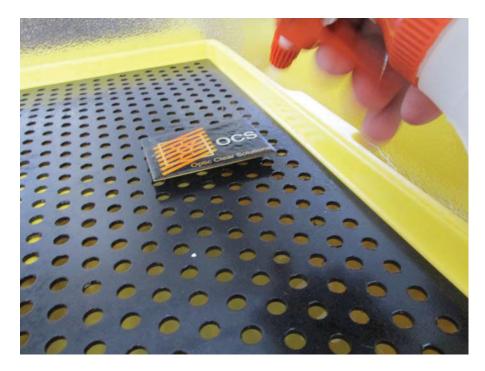


Contamination by Fluids – Salt Water Serial Number 0004



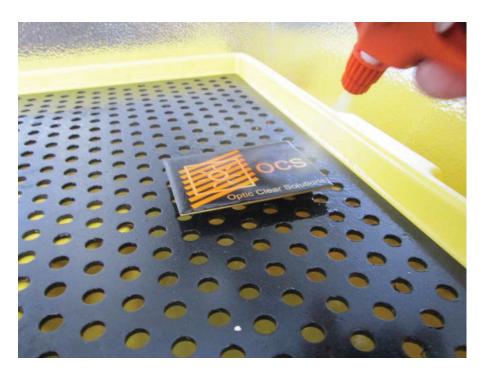


Post Fluid Exposure Serial Number 0004



Contamination by Fluids – Degreasing Solvent Serial Number 0005





Contamination by Fluids – Hydraulic Oil Serial Number 0005



Post Fluid Exposure Serial Number 0005

> End of Report 9 of 9