



CROSS SERVICE ONAN C180320039 - GENSET

Sample No: VPA057264

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMAT	TION			
Sample Number		VPA057264	VPA044895	
Sample Date		12 Mar 2024	08 Mar 2023	
Machine Hours		1133	994	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
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OIL CONDITION				
Visc @ 100°C	cSt	<u> </u>	<u> </u>	
Base Number (BN)	mg KOH/g	■ 9.6	10.0	
Oxidation (PA)	%	58	55	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	■ 0.1	□ 0.2	
Nitration (PA)	%	46	50	
Sulfation (PA)	%	50	52	
Glycol	%	NEG	NEG	
Fuel	%	4.6	△ 5.6	
Silicon	ppm	11	1 6	
Sodium	ppm	2	- <1	
Potassium	ppm	■ <1	1	
WEAR METALS				
Iron	ppm	■ 6	7	
Copper	ppm	2	2	
Lead	ppm	■0	□0	
Tin	ppm	■<1	- <1	
Aluminum	ppm	2	2	
Chromium	ppm	■<1	- <1	
Molybdenum	ppm	■ 59	■56	
Nickel	ppm	■<1	- <1	
Titanium	ppm	0	0	
Silver	ppm	■ 0	0	
Manganese	ppm	■0	<u></u> <1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1067	1053	
Magnesium	ppm	972	862	
Zinc	ppm	1215	■1139	
Phosphorus	ppm	1022	■950	
Barium	ppm	■0	<u> </u>	
Boron	ppm	<u> </u>	- <1	

Suncoast Diesel Marine Inc.

610 Mount Vernan St OLDSMAR, FL US 34677 Contact: MARK WARREN oldsmar@suncoastdmi.com T: (813)475-5942 F: (813)475-5943

Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:VP945077Unique No:10930178Signed:Jonathan HesterReport Date:25 Mar 2024

OIL ANALYSIS REPORT



