OIL ANALYSIS REPORT

7008434776 - STARBOARD DIESEL ENGINE

Sample No: VPA049743

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

Sample Number		VPA049743	 	
Sample Date		19 Feb 2024	 	
Machine Hours		657	 	
Oil Hours		77	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	9.5	 	
Oxidation (PA)	%	51	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	49	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	0	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	1 3	 	
Copper	ppm	26	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	1	 	
Chromium	ppm		 	
Molybdenum	ppm	54	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	 <1	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1011	 	
Magnesium	ppm	762	 	
Zinc	ppm	1058	 	
Phosphorus	ppm	945	 	
р ·	ppm	3	 	
Barium	PPIII			



SIEBERT YACHT MANAGEMENT 2875 JUPITER PARK DR, SUITE 1700

JUPITER, FL US 33458 Contact: JAY SIEBERT jay@siebertyachtmanagement.com T:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP1190184

 Unique No:
 10886876

 Signed:
 Angela Borella

 Report Date:
 21 Feb 2024

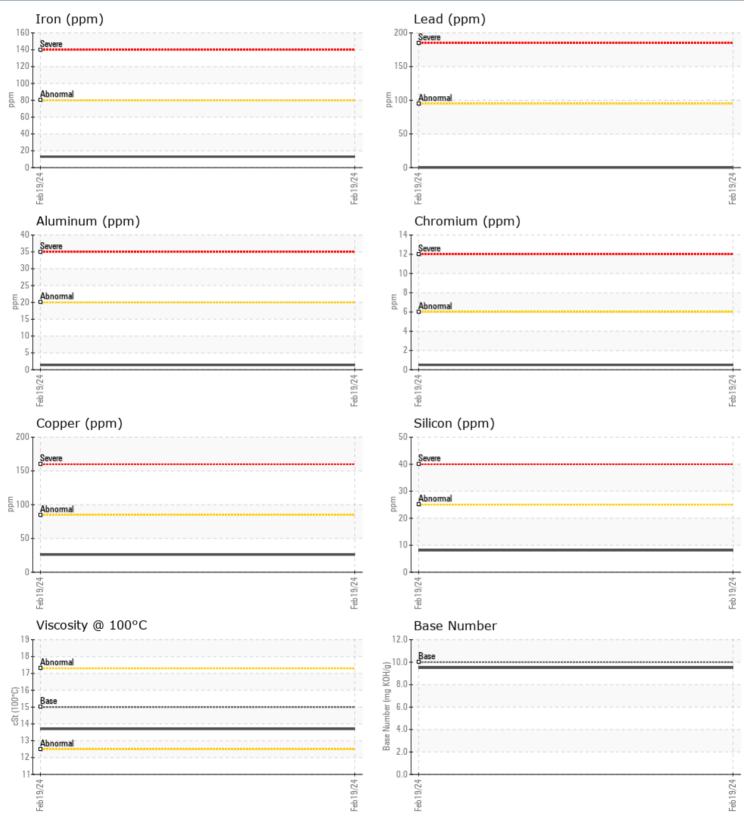
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Contact/Location: JAY SIEBERT - VP1190184

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Contact/Location: JAY SIEBERT - VP1190184