OIL ANALYSIS REPORT

DEREK PLAKYDA D.P. VOLVO PENTA A1119184 - STARBOARD DIESEL ENGINE

Sample No: VPA051166

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

JULLE IN AUNTA				
Sample Number		VPA051166	 	
Sample Date		20 Dec 2023	 	
Machine Hours		210	 	
Oil Hours		210	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	 	
Base Number (BN)	mg KOH/g	8.8	 	
Oxidation (PA)	%	60	 	
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CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	42	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	1 0	 	
Sodium	ppm	0	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	1 7	 	
Copper	ppm	9	 	
Lead	ppm	4	 	
Tin	ppm	1	 	
Aluminum	ppm	5	 	
Chromium	ppm	2	 	
Molybdenum	ppm	56	 	
Nickel	ppm	4	 	
Titanium	ppm	■ <1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1170	 	
Magnesium	ppm	859	 	
Zinc	ppm	1159	 	
Phosphorus	ppm	965	 	
Barium	ppm	8	 	
Boron	ppm	1 6	 	
501011	PPIII			

 Depot:
 VP1

 Unique No:
 108

 Signed:
 Dor

 Report Date:
 09 J

Contact/Location: TED TERZIAN - VP152054

VP152054 10819346 Don Baldridge 09 Jan 2024

Causeway Marine

960 E BAY AVE MANAHAWKIN, NJ US 08050-0745 Contact: TED TERZIAN ted@causewaymarine.com T: (609)597-3488 F:

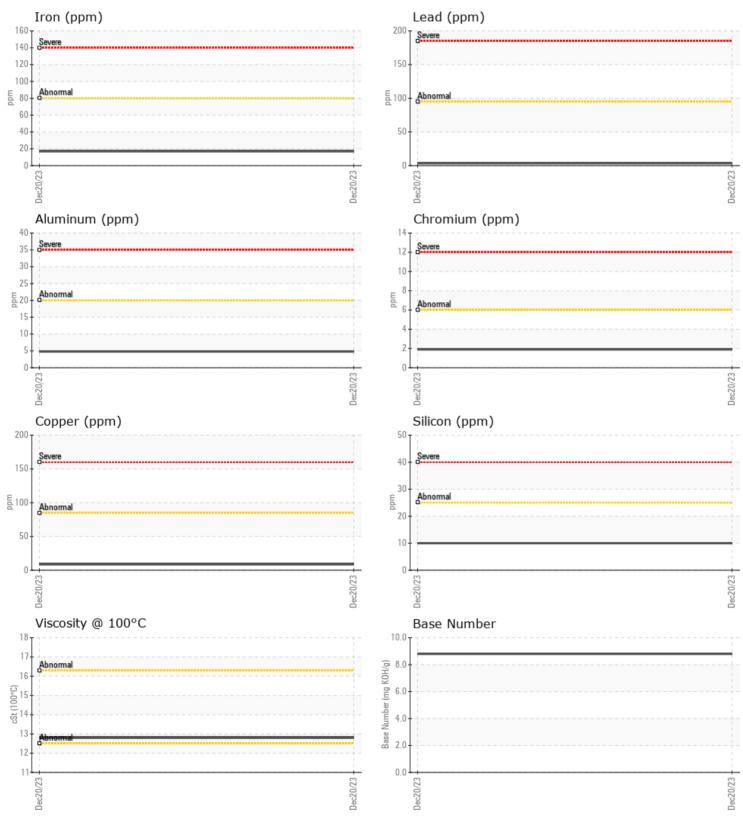
Diagnosis

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.

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GRAPHS



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Contact/Location: TED TERZIAN - VP152054