OIL ANALYSIS REPORT

DEMAURO VOLVO PENTA A478424 - PORT DIESEL ENGINE

Sample No: VPA051008

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

Sample Number		VPA051008	 	
Sample Date		21 Mar 2024	 	
Machine Hours		470	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.4	 	
Base Number (BN)	mg KOH/g	9.9	 	
Oxidation (PA)	%	58	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	 <1	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	1 6	 	
Copper	ppm	3	 	
Lead	ppm	 <1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	56	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1309	 	
Magnesium	ppm	926	 	
Zinc	ppm	1346	 	
200		934	 	
	ppm	33 4		
Phosphorus Barium	ppm ppm	0	 	

Contact/Location: Service Manager - VP1298996

FULL KEEL MARINE SERVICES 314 LEGION AVE ANNAPOLIS, MD US 21401 Contact: Service Manager FULLKEELMARINESERIVES@GMAIL.COM T: (410)507-3542 F·

Diagnosis

No corrective action is recommended at this time. 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 suitable for further service.

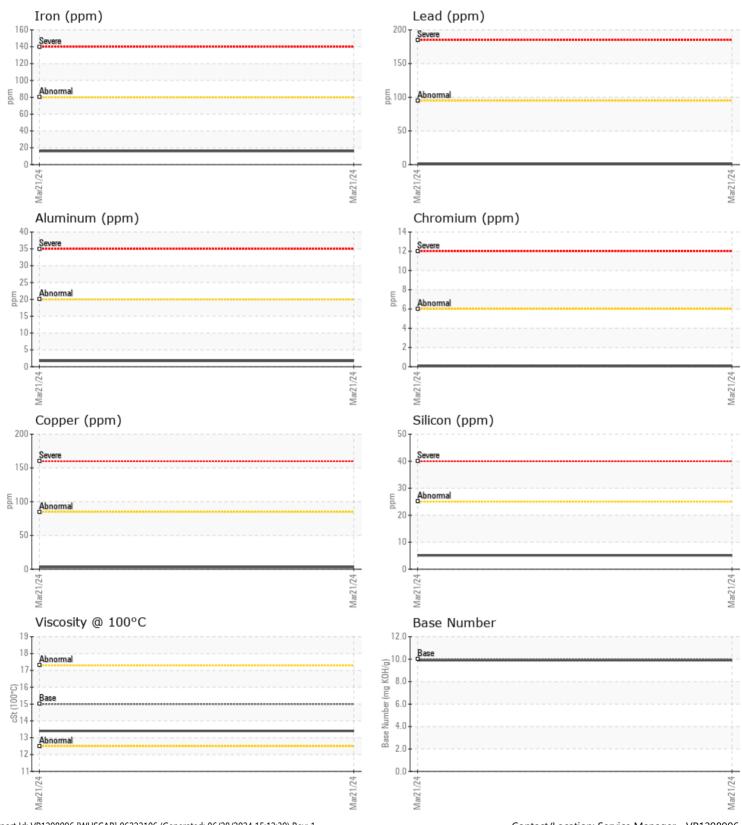


VP1298996

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: Service Manager - VP1298996