OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A 193858 - PORT DIESEL ENGINE

Sample No: VPA054229

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA054229	 	
Sample Date		23 May 2024	 	
Machine Hours		426	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		MARGINAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.73	 	
Base Number (BN)	mg KOH/g	9.2	 	
Oxidation (PA)	%	56	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	50	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	2	 	
Potassium	ppm	1	 	
WEAR METALS				
Iron	ppm	26	 	
Copper	ppm	6	 	
Lead	ppm	1 6	 	
Tin	ppm	2	 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	2	 	
Molybdenum	ppm	55	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1228	 	
Magnesium	ppm	917	 	
Zinc	ppm	1283	 	
Phosphorus	ppm	1050	 	
Barium	ppm	0	 	
Boron	ppm	1 3	 	

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: JOSHUA joshua@suncoastdmi.com T: (941)342-0033 F: (941)342-0088

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The aluminum level is abnormal. All other 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.

 Depot:
 VP705283

 Unique No:
 11047675

 Signed:
 Doug Bogart

 Report Date:
 24 May 2024

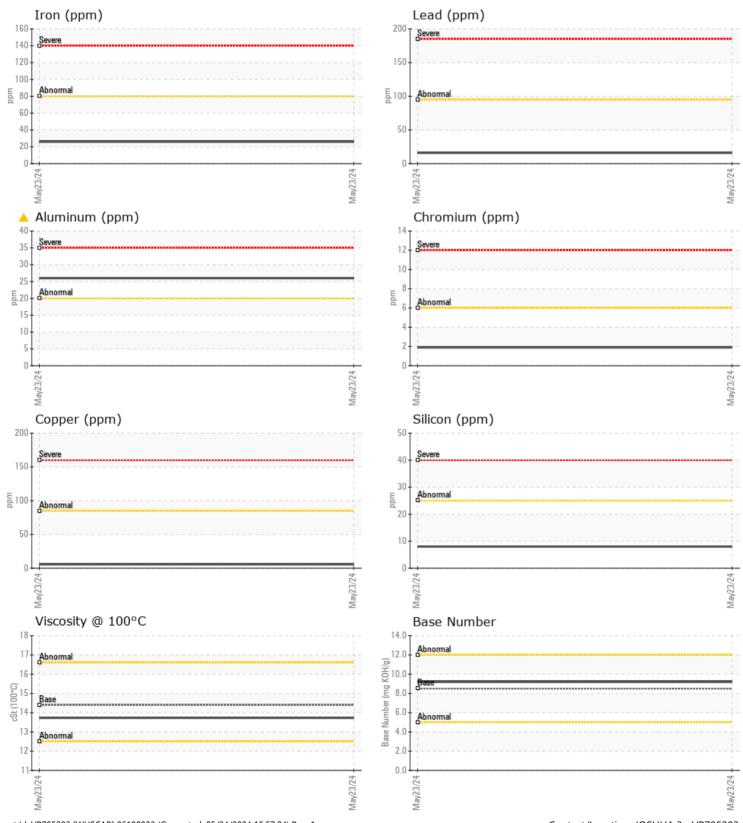
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Contact/Location: JOSHUA ? - VP705283

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GRAPHS



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