OIL ANALYSIS REPORT

VOLVO PENTA 2006017671 - STARBOARD DIESEL ENGINE

Sample No: VPA056059

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION Sample Number VPA056059 18 Jul 2023 Sample Date Machine Hours 1380 **Oil Hours** 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 9.7 Oxidation (PA) % 63 CONTAMINATION Soot % % 0.1 % Nitration (PA) 62 Sulfation (PA) % 54 % NEG Glycol Fuel % <1.0 Silicon ppm 4 Sodium ppm 14 Potassium ppm 2 WEAR METALS

Iron	ppm	15	 	
Copper	ppm	4	 	
Lead	ppm	3	 	
Tin	ppm	■<1	 	
Aluminum	ppm	□<1	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	59	 	
Nickel	ppm	■<1	 	
Titanium	ppm	□<1	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1075	 	
Magnesium	ppm	1019	 	
Zinc	ppm	1285	 	
Phosphorus	ppm	1054	 	
Barium	ppm	0	 	
Boron	ppm	3	 	

W J Clark Inc

4517 Dunning Road NORFOLK, VA US 23518 Contact: WALTER CLARK ychtfixer@aol.com Τ· 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.

Depot: VP151520 Unique No: 10564309 Signed: Don Baldridge Report Date: 21 Jul 2023

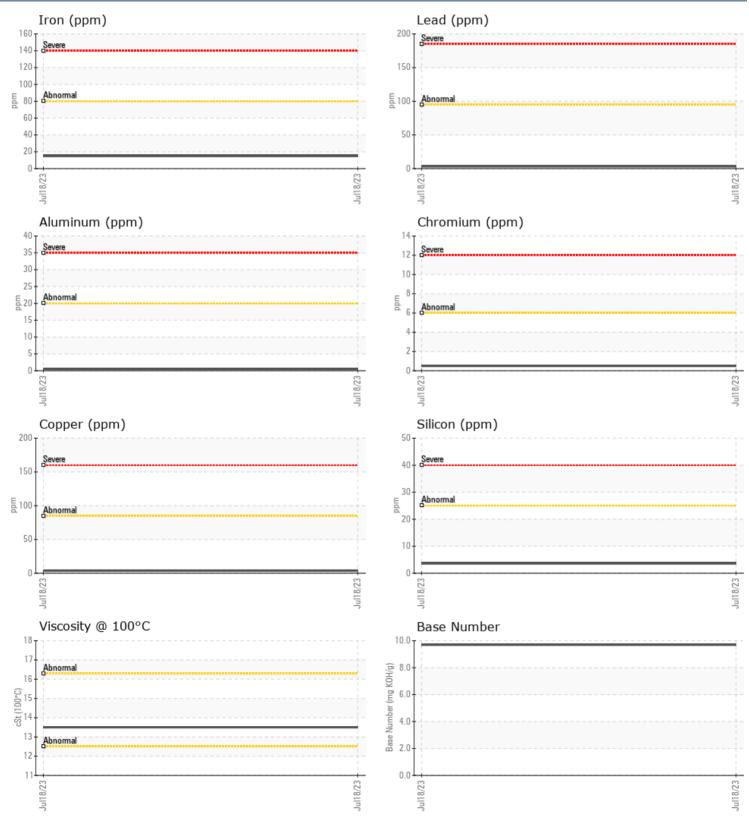
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OIL ANALYSIS REPORT



GRAPHS



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