OIL ANALYSIS REPORT

LEIF ORMSETH 7716032 VOLVO PENTA A 1 186748 - CENTER DIESEL ENGINE

Sample No: VPA055440

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

SAMPLE INFORMATION VPA055440 Sample Number Sample Date 18 Jul 2023 Machine Hours 157 **Oil Hours** 157 Oil Changed Changed MARGINAL Sample Status **OIL CONDITION** F: Visc @ 100°C **12.4** cSt Base Number (BN) mg KOH/g 9.8 Oxidation (PA) % 76 CONTAMINATION Soot % % 0.6 % Nitration (PA) 55 Sulfation (PA) % 61 % Glycol NEG Fuel % 0.3 Silicon ppm 16 Sodium 2 ppm Potassium 3 ppm WEAR METALS Iron ppm 22 14 Copper ppm Lead ppm 4 Tin 3 ppm Aluminum 11 ppm Chromium 2 ppm Molybdenum 33 ppm Nickel 2 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese 1 ppm Vanadium 0 ppm

ADDITIVES

Calcium	ppm	1486	 	
Magnesium	ppm	458	 	
Zinc	ppm	1037	 	
Phosphorus	ppm	811	 	
Barium	ppm	0	 	
Boron	ppm	35	 	

Pacific Power Group - VP981534 7215 S 228th St Kent, WA US 98032 Contact: PAT RYAN pryan@pacificpowergroup.com T: (253)520-5163

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

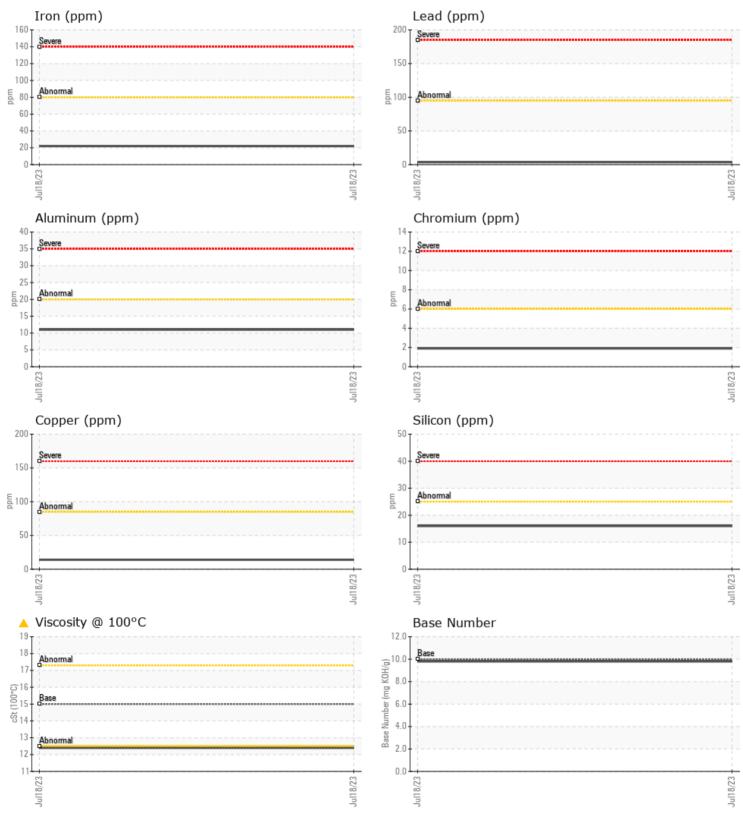
VP99031103 Depot: Unique No: 10588463 Signed: Jonathan Hester **Report Date:** 08 Aug 2023



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GRAPHS



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Contact/Location: PAT RYAN - VP99031103