OIL ANALYSIS REPORT

501479 VOLVO PENTA A 1043664 - PORT DIESEL ENGINE

Sample No: VPA046039

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION Sample Number VPA046039 25 Jul 2023 Sample Date Machine Hours 500 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.8 Base Number (BN) mg KOH/g 8.5 Oxidation (PA) % 50 CONTAMINATION Soot % % 0.1 % Nitration (PA) 63 Sulfation (PA) % 49 % NEG Glycol Fuel % <1.0 Silicon ppm 4 Sodium 0 🔲 ppm Potassium ppm **4** WEAR METALS 14 Iron ppm Copper 5 🔲 ppm Lead ppm 1 🔲 Tin ■ <1 ppm Aluminum 2 ppm Chromium 1 ppm Molybdenum 1 ppm Nickel 3 ppm Titanium **||** <1 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium 0 ppm

ADDITIVES

Calcium	ppm	1468	 	
Magnesium	ppm	632	 	
Zinc	ppm	839	 	
Phosphorus	ppm	740	 	
Barium	ppm	2	 	
Boron	ppm	103	 	

North Harbor Diesel Inc

720 30Th Street ANACORTES, WA US 98221 Contact: ROBBIN MURDOCK robbin@northharbordiesel.com T: (360)299-1904

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 suitable for further service.

 Depot:
 VP179089

 Unique No:
 10586112

 Signed:
 Jonathan Hester

 Report Date:
 03 Aug 2023

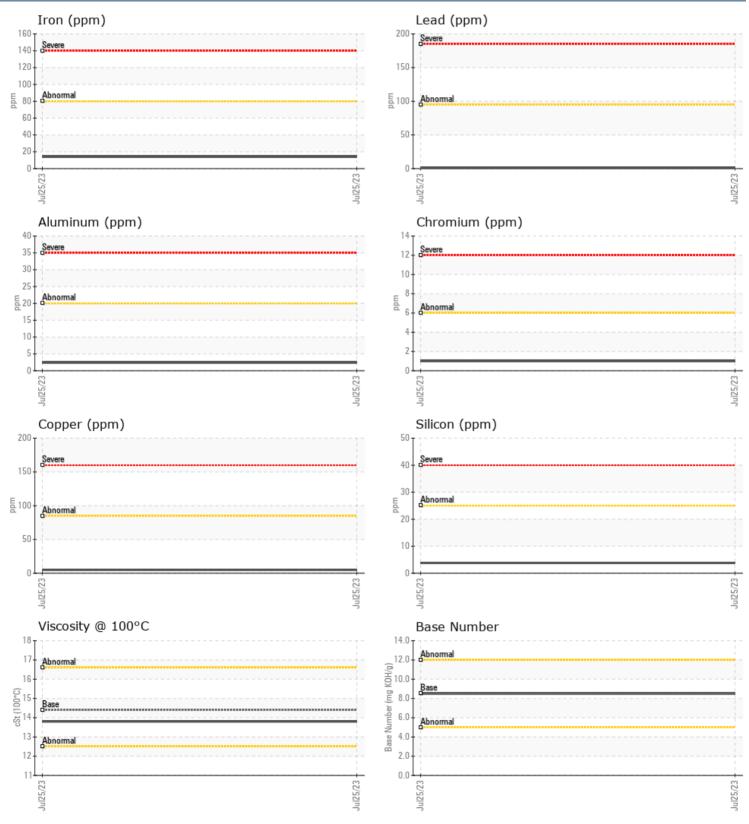
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GRAPHS



Report Id: VP179089 [WUSCAR] 05914198 (Generated: 08/03/2023 15:26:43) Rev: 1

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