# **OIL ANALYSIS REPORT**

## 15080 VOLVO PENTA A218232 - STARBOARD DIESEL ENGINE

Sample No: VPA056461

Oil Type: DIESEL ENGINE OIL SAE 15W40

#### SAMPLE INFORMATION Sample Number VPA056461 Sample Date 18 Aug 2023 Machine Hours 550 **Oil Hours** 10 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.4 Base Number (BN) mg KOH/g 9.4 Oxidation (PA) % 64 CONTAMINATION Soot % % 0.1 % Nitration (PA) 43 Sulfation (PA) % 56 % Glycol NEG Fuel % <1.0 Silicon ppm 4 Sodium 2 ppm Potassium ppm 7 WEAR METALS Iron ppm 5 **||** <1 Copper ppm Lead ppm 0 Tin **||** <1 ppm Aluminum ■ <1 ppm Chromium nnm

Chronnun	ppm		 	
Molybdenum	ppm	<b>12</b>	 	
Nickel	ppm	0	 	
Titanium	ppm	<b></b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	

#### ADDITIVES

Calcium	ppm	1988	 	
Magnesium	ppm	201	 	
Zinc	ppm	<b>1174</b>	 	
Phosphorus	ppm	989	 	
Barium	ppm	0	 	
Boron	ppm	178	 	

#### W J Clark Inc

4517 Dunning Road NORFOLK, VA US 23518 Contact: WALTER CLARK ychtfixer@aol.com T: 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 suitable for further service.

 Depot:
 VP151520

 Unique No:
 10615935

 Signed:
 Sean Felton

 Report Date:
 23 Aug 2023

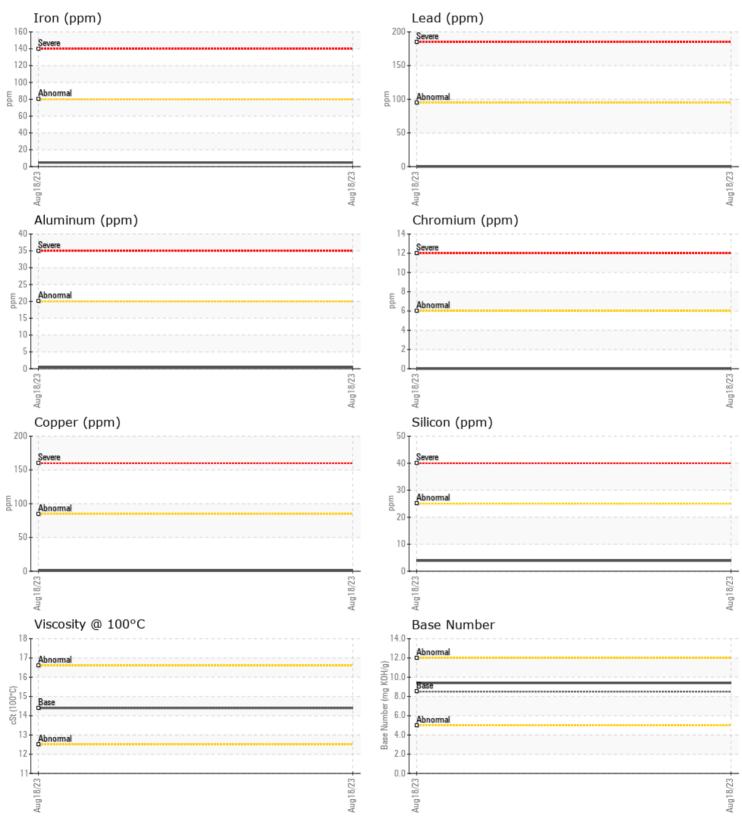
Contact/Location: WALTER CLARK - VP151520



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### GRAPHS



Report Id: VP151520 [WUSCAR] 05930664 (Generated: 08/23/2023 14:24:12) Rev: 1

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