## **OIL ANALYSIS REPORT**

### **CRUM ROGER** VOLVO PENTA 2004009180 - PORT DIESEL ENGINE

Sample No: VPA038724

**Oil Type: VOLVO PENTA SAE 15W40** 

#### SAMPLE INFORMATION VPA038724 Sample Number 06 Jul 2022 Sample Date Machine Hours 862 862 **Oil Hours** Oil Changed Changed SEVERE Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.2 Base Number (BN) mg KOH/g 29.8 Oxidation (PA) % 116 CONTAMINATION **8.00** Water % % Soot % 0.4 Nitration (PA) % 259 % Sulfation (PA) 0 Glycol % NEG Fuel % <1.0 Silicon 6 ppm Sodium 503 ppm Potassium 26 ppm WEAR METALS

Iron	ppm	45	 	
Copper	ppm	8	 	
Lead	ppm	<b>1</b> 9	 	
Tin	ppm	<b>4</b>	 	
Aluminum	ppm	<b>1</b> 3	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	55	 	
Nickel	ppm	3	 	
Titanium	ppm	<b>  </b> <1	 	
Silver	ppm	2	 	
Manganese	ppm	<b>1</b>	 	
Vanadium	ppm	<1	 	

ADDITIVES				
Calcium	ppm	1351	 	
Magnesium	ppm	<b>708</b>	 	
Zinc	ppm	813	 	
Phosphorus	ppm	691	 	
Barium	ppm	0	 	
Boron	ppm	243	 	

Depot: VP153319 Unique No: 10050423

Signed: Jonathan Hester Report Date: 15 Jul 2022

**Maritime Fabrications Inc** 920 W Pearle Jensen Way, 920 W. Pearle Jensen Way

LACONNER, WA US 98257 Contact: Mark Crandall markc@laconnermaritime.com T: (360)466-3629 F:

## Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. The high sodium (Na) level indicates the possible presence of salt water. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

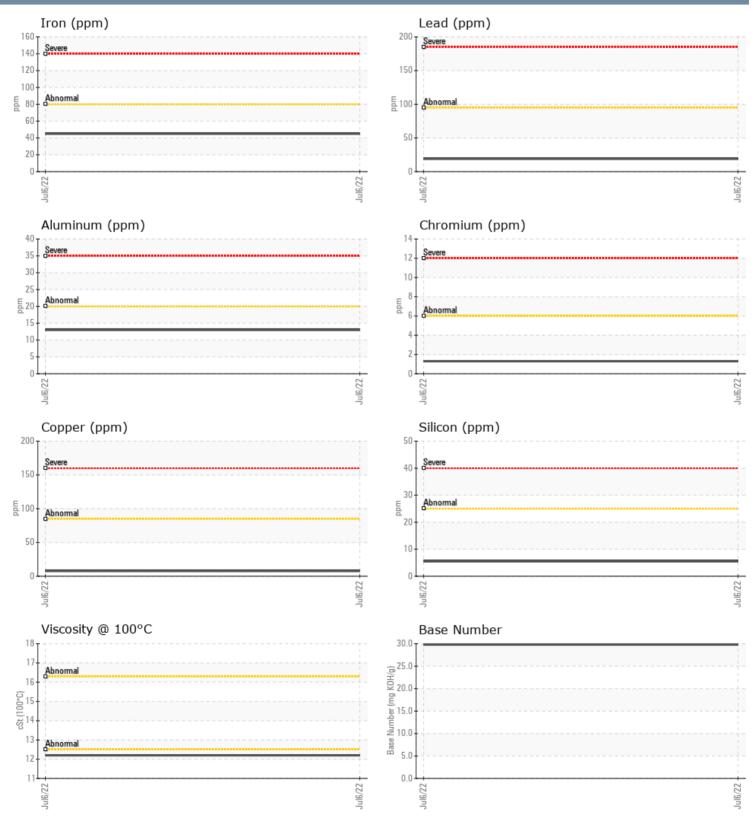


Contact/Location: Mark Crandall - VP153319

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### GRAPHS



Contact/Location: Mark Crandall - VP153319