# **OIL ANALYSIS REPORT**

# AMAD VOLVO PENTA 2013749001 - STARBOARD DIESEL ENGINE

Sample No: VPA050607

Oil Type: DIESEL ENGINE OIL SAE 15W40

#### SAMPLE INFORMATION Sample Number VPA050607 20 Jul 2023 Sample Date Machine Hours 806 200 **Oil Hours** Oil Changed N/A NORMAL Sample Status T: **OIL CONDITION** F: Visc @ 100°C cSt 13.51 Base Number (BN) mg KOH/g 9.2 Oxidation (PA) % 58 CONTAMINATION 1.2 Soot % % % Nitration (PA) 63 Sulfation (PA) % 59 % NEG Glycol Fuel % <1.0 Silicon ppm 8 Sodium 0 🔲 ppm Potassium 2 ppm WEAR METALS 20 Iron ppm 3 Copper ppm Lead ppm **||** <1 Tin - - 1

lin	ppm	<u> </u>	 	
Aluminum	ppm	3	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	65	 	
Nickel	ppm	■<1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	

## ADDITIVES

Calcium	ppm	1147	 	
Magnesium	ppm	982	 	
Zinc	ppm	<b>1281</b>	 	
Phosphorus	ppm	<b>1068</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b></b> <1	 	

### **Outstanding Marine**

PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T: E-

# Diagnosis

No corrective action is recommended at this time. 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:
 VP153685

 Unique No:
 10578398

 Signed:
 Doug Bogart

 Report Date:
 31 Jul 2023

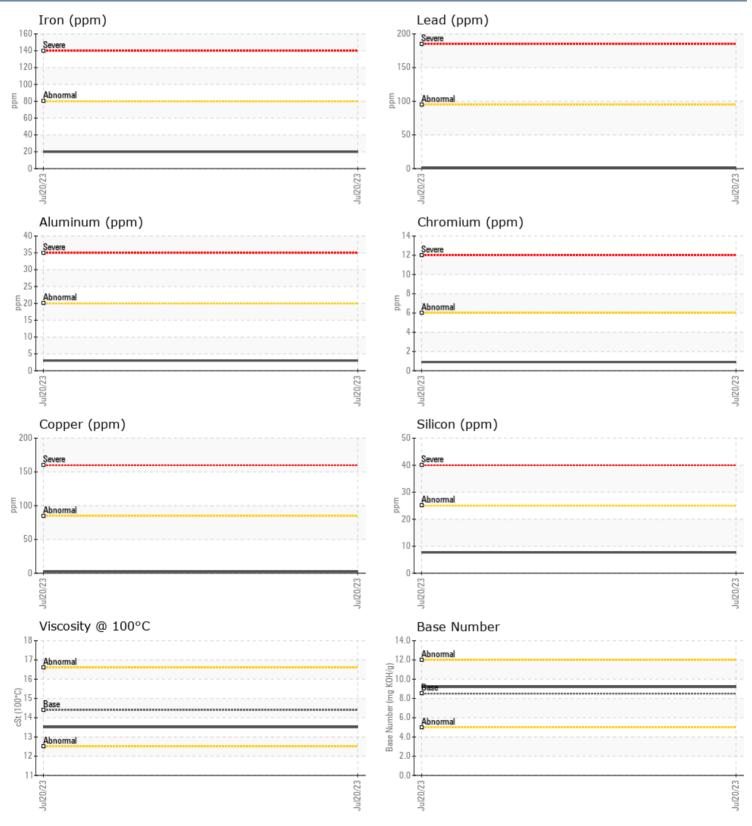
Contact/Location: Ronda Bolinger - VP153685



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### GRAPHS



Report Id: VP153685 [WUSCAR] 05911746 (Generated: 07/31/2023 16:58:47) Rev: 1

Contact/Location: Ronda Bolinger - VP153685