OIL ANALYSIS REPORT

RODGERS VOLVO PENTA A219472 - STARBOARD DIESEL ENGINE

Sample No: VPA049855

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA049855 Sample Number Sample Date 26 Oct 2023 Machine Hours 916 **Oil Hours** 43 Oil Changed Not Changd NORMAL Sample Status T: **OIL CONDITION** F: cSt Visc @ 100°C 14.0 Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 60 CONTAMINATION Soot % % 0.1 % Nitration (PA) 46 Sulfation (PA) % 52 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 2 ppm Potassium ppm 2 WEAR METALS Iron ppm 4 Copper **||** <1 ppm Lead ppm 0 Tin 0 ppm Aluminum 1 ppm Chromium 0 ppm Molybdenum 25 ppm Nickel 0 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES**

Calcium	ppm	1496	 	
Magnesium	ppm	367	 	
Zinc	ppm	1095	 	
Phosphorus	ppm	1010	 	
Barium	ppm	3	 	
Boron	ppm	112	 	

Outstanding Marine

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

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 acceptable for the time in service.

 Depot:
 VP153685

 Unique No:
 10715299

 Signed:
 Sean Felton

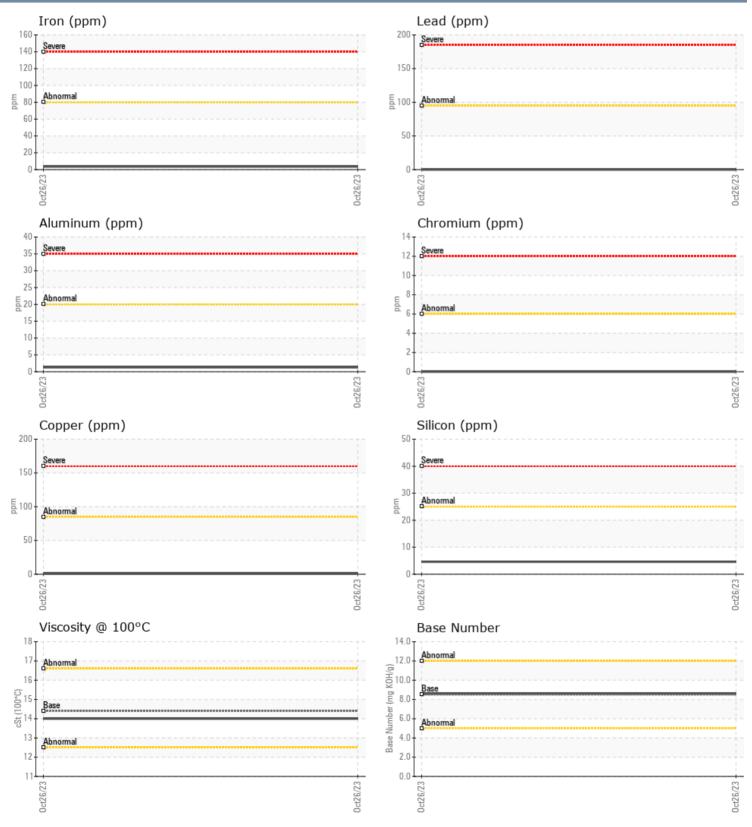
 Report Date:
 30 Oct 2023



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153685 [WUSCAR] 05992637 (Generated: 10/30/2023 16:05:17) Rev: 1

Contact/Location: Ronda Bolinger - VP153685