# **OIL ANALYSIS REPORT**

# DARYL GRUBBS 505527 VOLVO PENTA A 1120461 - STARBOARD DIESEL ENGINE

Sample No: VPA049913

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

#### SAMPLE INFORMATION VPA049913 Sample Number Sample Date 26 Sep 2023 Machine Hours 1112 **Oil Hours** 182 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 10.3 Oxidation (PA) % 61 CONTAMINATION Soot % % 0.9 % Nitration (PA) 66 Sulfation (PA) % 57 % Glycol NEG Fuel % <1.0 Silicon ppm 5 Sodium 3 ppm Potassium ppm 2 WEAR METALS 24 Iron ppm 6 Copper ppm Lead ppm 2 Tin 1 ppm Aluminum 3 ppm

Chromium 2 ppm Molybdenum 64 ppm Nickel 2 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese ■ <1 ppm Vanadium 0 ppm

### ADDITIV<u>es</u>

Calcium	ppm	<b>1071</b>	 	
Magnesium	ppm	954	 	
Zinc	ppm	<b>1328</b>	 	
Phosphorus	ppm	<b>1082</b>	 	
Barium	ppm	0	 	
Boron	ppm	0	 	

#### Jefferson Beach Yacht Sales Inc

VOLVO PENTA

24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: CORT CORINO ccorino@jbys.com T: (773)641-6947 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 acceptable for the time in service.

 Depot:
 VP297371

 Unique No:
 10671646

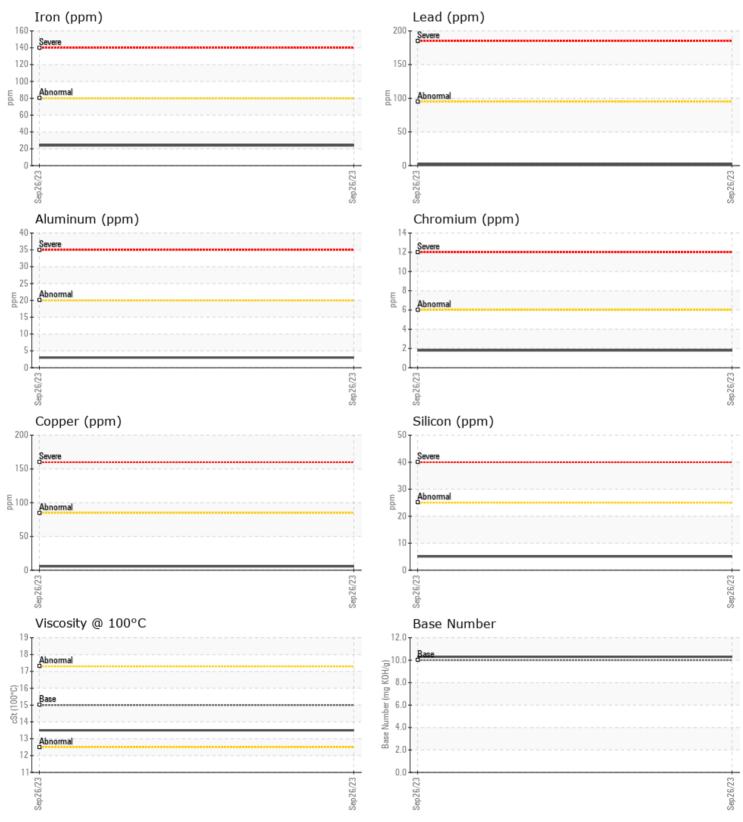
 Signed:
 Sean Felton

 Report Date:
 02 Oct 2023

# **OIL ANALYSIS REPORT**



### GRAPHS



Report Id: VP297371 [WUSCAR] 05965095 (Generated: 10/02/2023 12:20:17) Rev: 1

Contact/Location: CORT CORINO - VP297371