# **OIL ANALYSIS REPORT**

## ANDREW VOLVO PENTA 7008445977 - STARBOARD DIESEL ENGINE

Sample No: VPA036983

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

#### SAMPLE INFORMATION VPA036983 Sample Number Sample Date 23 Oct 2023 Machine Hours 849 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 15.6 Base Number (BN) mg KOH/g 8.7 Oxidation (PA) % 68 CONTAMINATION Soot % % 2.9 % Nitration (PA) 93 Sulfation (PA) % 71 % Glycol NEG Fuel % <1.0 Silicon ppm 11 Sodium 3 ppm Potassium ppm **||** <1 WEAR METALS 47 Iron ppm 120 Copper ppm Lead ppm <1 Tin ■ <1 ppm Aluminum ppm 2 Chromium 4 ppm Molybdenum 66 ppm Nickel 4 ppm Titanium 0 🔲 ppm Silver ppm 10 Manganese ■ <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1161 ppm Magnesium 1074 ppm 🔳 1394 Zinc ppm Phosphorus ppm 1067 Barium ppm 0 Boron ppm 2

# VOLVO PENTA

GRAND BANKS 450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290

### 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:
 VP531377

 Unique No:
 10714700

 Signed:
 Angela Borella

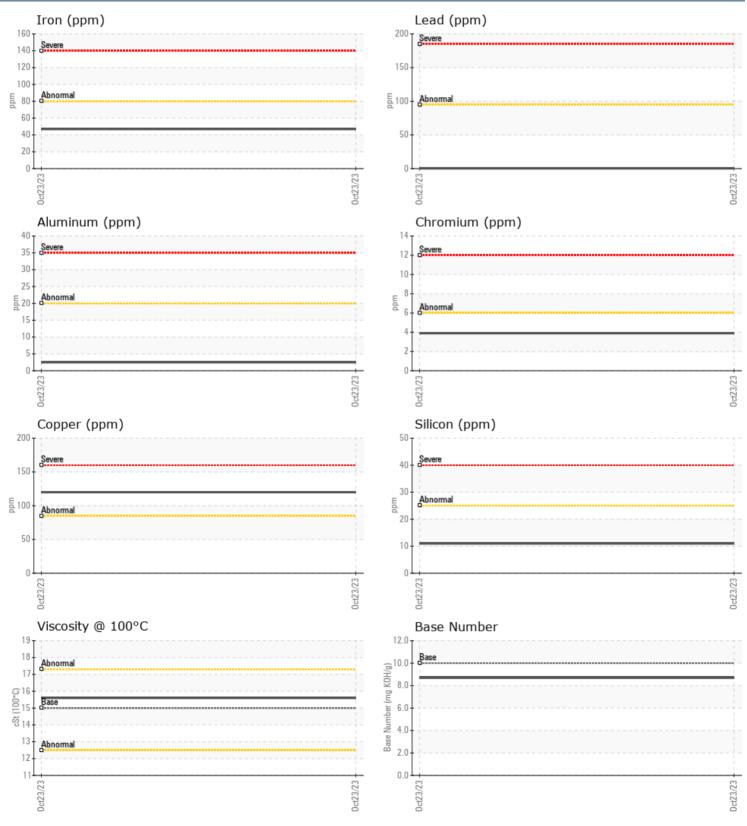
 Report Date:
 30 Oct 2023

Contact/Location: ROBERT ANTONA - VP531377

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### GRAPHS



Report Id: VP531377 [WUSCAR] 05992038 (Generated: 10/30/2023 13:21:50) Rev: 1

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