## **OIL ANALYSIS REPORT**

## VOLVO PENTA

### VOLVO PENTA A345386 - PORT DIESEL ENGINE

Sample No: VPA050796

Oil Type: DIESEL ENGINE OIL SAE 15W40

#### SAMPLE INFORMATION Sample Number VPA050796 VPA039593 01 Feb 2024 Sample Date 21 Nov 2022 Machine Hours 774 597 0 0 **Oil Hours** Oil Changed N/A N/A NORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.5 13.6 Base Number (BN) mg KOH/g 9.2 10.2 Oxidation (PA) % 55 66 CONTAMINATION % Water NEG NFG % Soot % 0.1 0.3 Nitration (PA) % 46 59 59 Sulfation (PA) % 49 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 4 4 ppm Sodium **||** <1 2 ppm Potassium 3 6 ppm WEAR METALS 11 Iron 7 ppm 2 2 Copper ppm Lead ppm 0 🔲 1 Tin 0 | <1 ppm Aluminum 1 ppm 1 Chromium <1 < 1 ppm Molybdenum 9 ppm 52 Nickel 0 🔲 <1 ppm Titanium ppm **||** <1 0 0 Silver 0 ppm Manganese 0 🔲 < 1 ppm 0 Vanadium ppm <1 **ADDITIVES** 2037 Calcium 1057 ppm Magnesium **794** ppm 149 Zinc ppm 1069 1141 Phosphorus ppm 930 991 Barium 0 0 ppm Boron ppm 14 165

#### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: SERVICE MANAGER info@suncoastdmi.com T: (941)342-0033 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 suitable for further service.

 Depot:
 VP705283

 Unique No:
 10874259

 Signed:
 Sean Felton

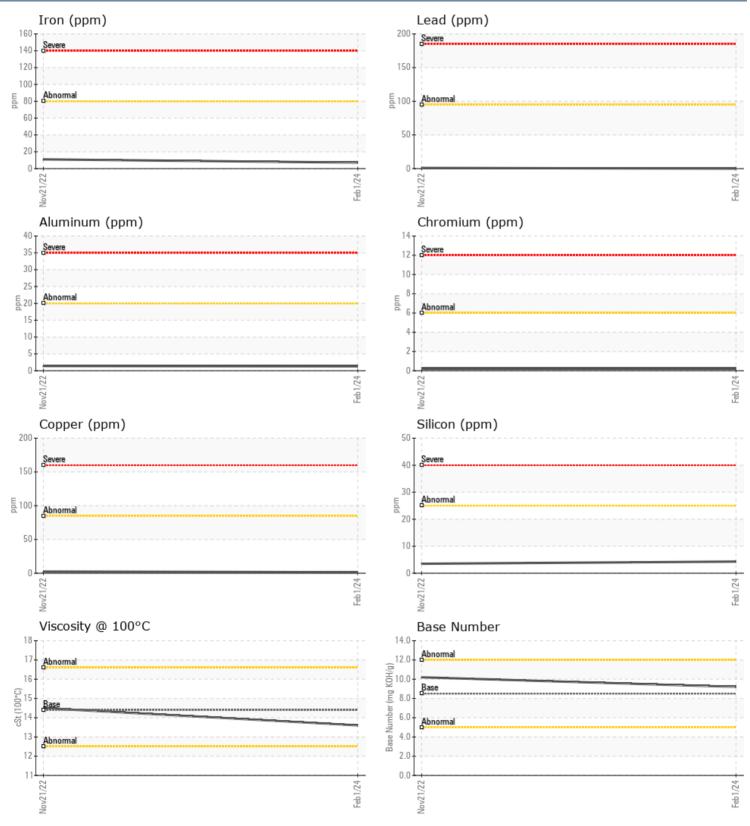
 Report Date:
 14 Feb 2024

Contact/Location: SERVICE MANAGER - VP705283

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#### GRAPHS



Report Id: VP705283 [WUSCAR] 06086814 (Generated: 02/14/2024 12:04:07) Rev: 1

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