## **OIL ANALYSIS REPORT**

## VOLVO PENTA

## LOU BRITO 205604 VOLVO PENTA 2003011856 - PORT DIESEL ENGINE

Sample No: VPA062006

Oil Type: VOLVO PENTA SAE 15W40

#### SAMPLE INFORMATION VPA062006 VPA041464 Sample Number Sample Date 20 May 2024 10 Apr 2023 Machine Hours 1415 1407 41 **Oil Hours** 50 Oil Changed Not Changd Changed ABNORMAL Sample Status SEVERE **OIL CONDITION** Visc @ 100°C 14.4 cSt 13.3 Base Number (BN) mg KOH/g 11.0 7.6 Oxidation (PA) % 57 58 CONTAMINATION % NFG Water NEG % Soot % 0.1 0.1 Nitration (PA) % 52 58 Sulfation (PA) % 49 49 Glycol % NEG NFG Fuel % <1.0 <1.0 Silicon 15 **A** 27 ppm Sodium 13 29 ppm Potassium 2 ppm 1 WEAR METALS **103 1**94 Iron ppm 13 40 Copper ppm Lead 0 ppm 1 🗌 Tin 1 0 ppm Aluminum **1**20 ppm **A** 7 **1**0 Chromium ppm 66 🔳 65 Molybdenum ppm Nickel 2 2 ppm Titanium ppm 1 4 Silver ■ <1 | <1 ppm Manganese 1 2 ppm Vanadium 0 ppm <1 **ADDITIVES** Calcium 1198 1273 ppm Magnesium 999 768 ppm Zinc ppm 1292 1267 Phosphorus ppm 1084 1026 Barium 0 0 ppm Boron ppm 25 99

### Cogswell Marine & Motorsports, Inc 865 Stella Street CHULA VISTA, CA US 91911 Contact: Mitchell Cogswell Cogswellmarinemotorsports@gmail.com T: F:

### Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.Piston, ring and cylinder wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP152133

 Unique No:
 11046633

 Signed:
 Sean Felton

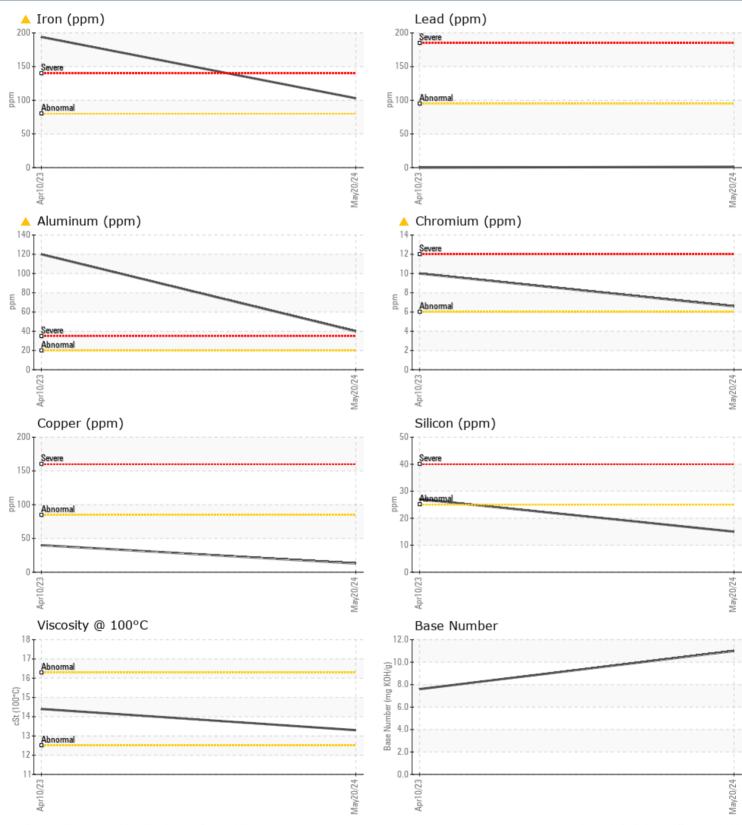
 Report Date:
 29 May 2024

Contact/Location: Mitchell Cogswell - VP152133

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GRAPHS



Report Id: VP152133 [WUSCAR] 06189881 (Generated: 05/29/2024 12:24:11) Rev: 2

Contact/Location: Mitchell Cogswell - VP152133