OIL ANALYSIS REPORT

JASON MCKAY 7717342 VOLVO PENTA A1132484 - CENTER DIESEL ENGINE

Sample No: VPA036245

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION VPA036245 VPA026054 Sample Number Sample Date 13 Oct 2023 06 May 2022 Machine Hours 284 124 124 **Oil Hours** 0 Oil Changed N/A Changed NORMAL Sample Status NORMAL **OIL CONDITION** F: 13.1 Visc @ 100°C 12.8 cSt Base Number (BN) mg KOH/g 10.0 9.7 Oxidation (PA) % 62 78 CONTAMINATION 0.3 Soot % % 0.6 % Nitration (PA) 54 47 Sulfation (PA) % 56 61 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 13 29 Sodium 4 3 ppm Potassium 0 🔲 3 ppm WEAR METALS 30 30 Iron ppm 10 14 Copper ppm 5 Lead ppm 2 Tin 2 4 ppm 26 Aluminum ppm 11 Chromium 3 4 ppm Molybdenum 38 ppm 57 Nickel 4 0 ppm Titanium 0 🔲 < 1 ppm Silver 0 < 1 ppm Manganese ■ <1 2 ppm 0 0 Vanadium ppm **ADDITIVES** Calcium 1154 1661 ppm 929 Magnesium 485 ppm **1252** 1119 Zinc ppm Phosphorus ppm 930 948 Barium ppm 0 🔲 0 Boron ppm 12 63

VOLVO PENTA

Pacific Power Group - VP981534 7215 S 228th St Kent, WA US 98032 Contact: PAT RYAN pryan@pacificpowergroup.com T: (253)520-5163

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:
 VP99031103

 Unique No:
 10711579

 Signed:
 Sean Felton

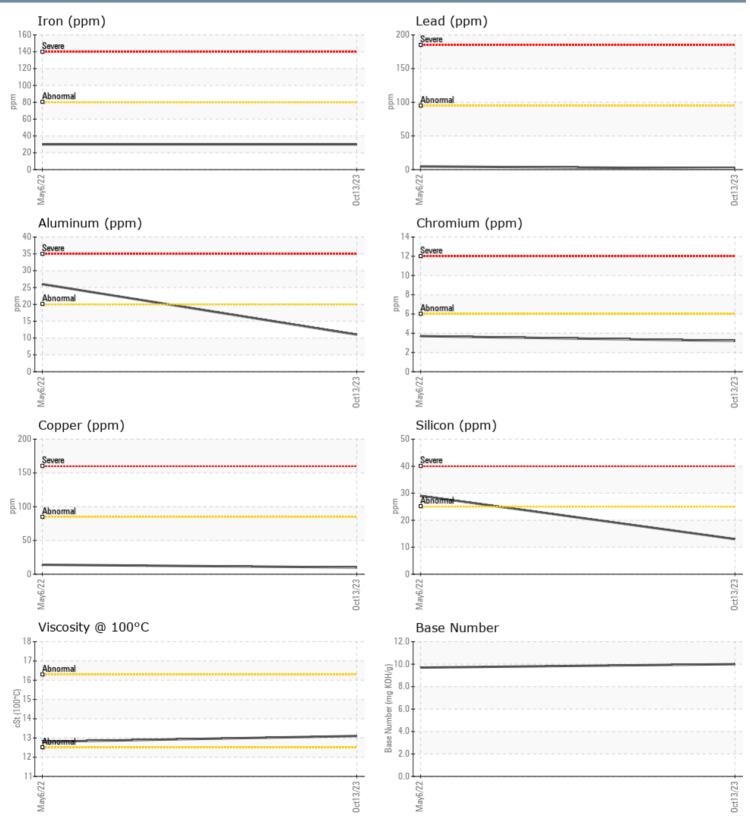
 Report Date:
 27 Oct 2023

Contact/Location: PAT RYAN - VP99031103

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GRAPHS



Report Id: VP99031103 [WUSCAR] 05988917 (Generated: 10/27/2023 10:50:42) Rev: 1

Contact/Location: PAT RYAN - VP99031103