OIL ANALYSIS REPORT

VOLVO PENTA

69016441221633 - PORT DIESEL ENGINE

Sample No: VPA056846

Oil Type: MOBIL DELVAC 1 5W40

SAMPLE INFORMATION VPA056846 VPA033213 Sample Number Sample Date 20 Jul 2023 06 Apr 2022 Machine Hours 1975 0 200 **Oil Hours** 0 Oil Changed N/A N/A ABNORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C 13.7 cSt 13.6 Base Number (BN) mg KOH/g 6.1 7.1 Oxidation (PA) % 174 191 CONTAMINATION 0.1 Soot % % 0.2 % Nitration (PA) 73 69 Sulfation (PA) % 101 109 % Glycol NEG NEG Fuel % <1.0 < 1.0 Silicon ppm 4 3 Sodium ■<1 1 ppm Potassium 0 🔲 0 ppm WEAR METALS Iron ppm 29 36 13 Copper ppm Lead ppm 0 < 1 Tin 0 0 ppm Aluminum 4 ppm 3 2 Chromium 2 ppm Molybdenum 51 46 ppm Nickel 2 2 ppm Titanium 0 🔲 0 ppm Silver 0 0 ppm Manganese 0 🔲 < 1 ppm 0 Vanadium 0 ppm **ADDITIVES** 1040 Calcium 1106 ppm 984 Magnesium 861 ppm **1444** Zinc ppm 1157 Phosphorus ppm 1190 969 Barium ppm 0 🔲 0 110 Boron ppm 110

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2 NAPLES, FL US 34104 Contact: KEITH SPICER keith_advanceddiesel@yahoo.com T: (239)580-8731 F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other 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:
 VPADVNAP

 Unique No:
 10574156

 Signed:
 Sean Felton

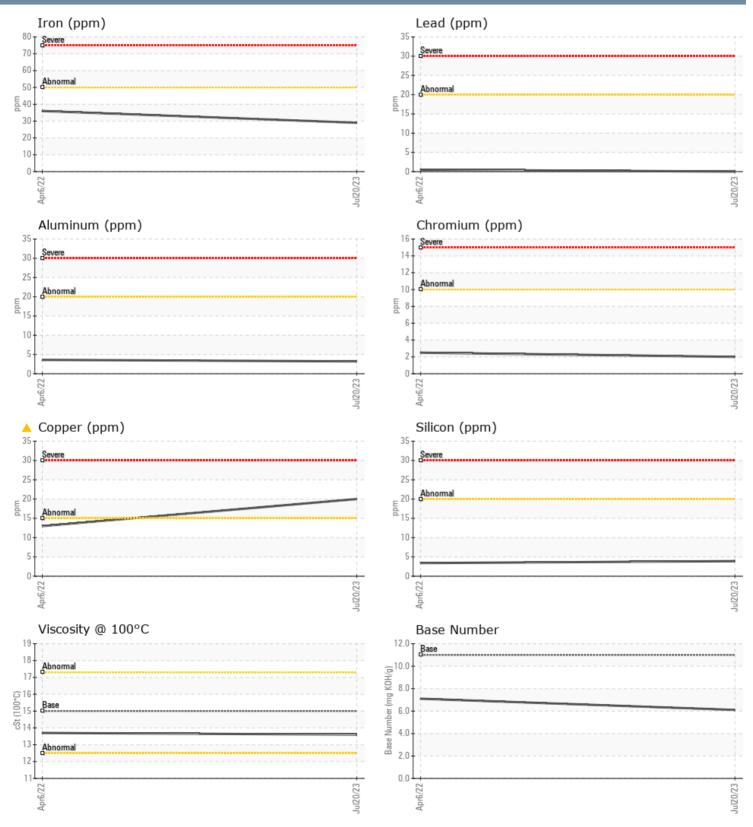
 Report Date:
 28 Jul 2023

Contact/Location: KEITH SPICER - VPADVNAP

OIL ANALYSIS REPORT



GRAPHS



Contact/Location: KEITH SPICER - VPADVNAP