OIL ANALYSIS REPORT

VOLVO PENTA

20014512 - INBOARD - STARBOARD GEARBOX

Sample No: VPA058218

Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION VPA058218 VPA055776 Sample Number Sample Date 30 Apr 2024 11 Sep 2023 Machine Hours 0 0 20 0 **Oil Hours** Oil Changed N/A N/A SEVERE SEVERE Sample Status **OIL CONDITION** F: Visc @ 40°C cSt 93.83 89.57 CONTAMINATION % **1.01** Water **0.193** Silicon ppm 14 6 Sodium 3 9 ppm Potassium ppm **11** 3 WEAR METALS PO **305** 28 64 Iron ppm Copper **4** 241 **5**30 ppm Lead 2 15 ppm 2 Tin 5 ppm 17 **1**56 Aluminum ppm Chromium ppm 2 0 24 53 Molybdenum ppm 🔺 109 4 Nickel ppm Titanium 1 < 1 ppm Silver <1 <1 ppm <1 Manganese 3 ppm Vanadium <1 0 ppm **ADDITIVES** 3546 Calcium 1335 ppm Magnesium ppm 96 702 Zinc ppm 1172 1126 Phosphorus ppm 1090 1095 Barium 0 ppm 0 Boron ppm 35 6

ADVANCED DIESEL

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

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Metal levels appear high for a component breaking in. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants and wear.

 Depot:
 VPADVNAP

 Unique No:
 11009660

 Signed:
 Doug Bogart

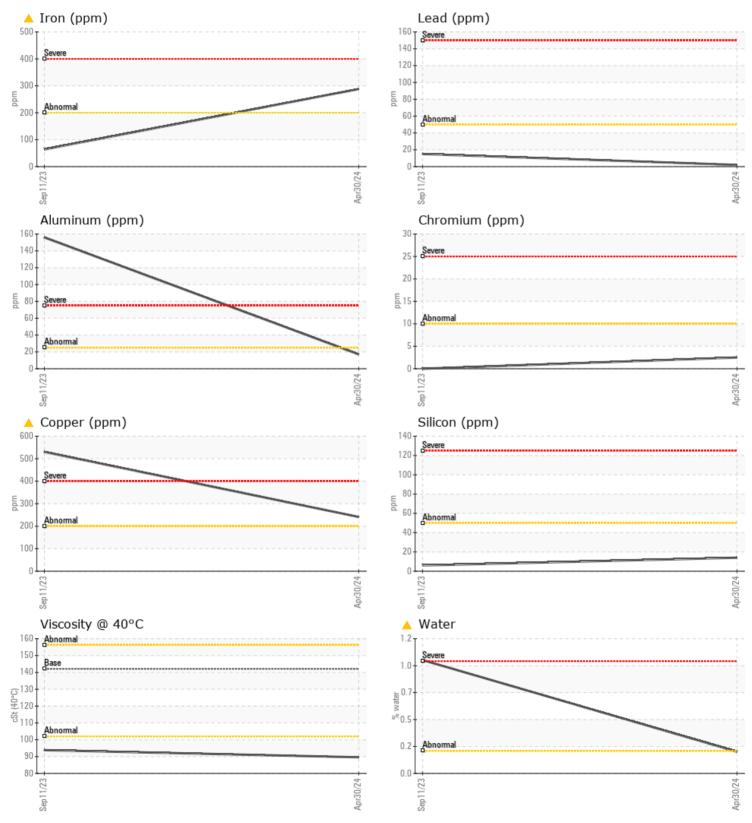
 Report Date:
 03 May 2024

 Contact/Location: KEITH SPICER - VPADVNAP

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GRAPHS



Report Id: VPADVNAP [WUSCAR] 06168941 (Generated: 05/03/2024 15:30:37) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP