## **OIL ANALYSIS REPORT**

### 8182 VOLVO PENTA A 1 100581 - DIESEL ENGINE

Sample No: VPA053049

**Oil Type: DIESEL ENGINE OIL SAE 15W40** 

#### SAMPLE INFORMATION VPA053049 VPA032212 Sample Number **CULLEN DIESEL POWER** Sample Date 05 Jul 2024 11 Oct 2022 2454 HAYES RD Machine Hours 852 601 NANAIMO, BC 150 **Oil Hours** 100 CA V9T 3M3 Oil Changed Changed Changed Contact: Joe Straughan NORMAL Sample Status NORMAL jds@cullendiesel.com T: (250)758-5241 **OIL CONDITION** F: Visc @ 100°C cSt 13.1 13.1 Oxidation (PA) % 58 53 Diagnosis CONTAMINATION Resample at the next service interval to monitor.Metal levels are typical for Water % NEG NEG a new component breaking in. There % Soot % 0.1 $\square 0.1$ is no indication of any contamination Nitration (PA) % 44 49 in the oil. The condition of the oil is Sulfation (PA) % 50 57 acceptable for the time in service. Glycol % NEG NFG % <1.0 <1.0 Fuel Silicon ppm 2 4 Sodium 2 2 ppm Potassium ■ <1 < 1 ppm WEAR METALS 13 Iron ppm 11 Copper 5 7 ppm Lead ppm <1 2 Tin ■ <1 <1 ppm 2 Aluminum ppm 3 < 1 Chromium **||** < 1 ppm Molybdenum 63 61 ppm Nickel 2 2 ppm Titanium 0 🔲 < 1 ppm Silver ppm **||** <1 0 Manganese **||** <1 < ppm 0 0 Vanadium ppm **ADDITIVES** 1119 Calcium 1080 ppm Magnesium 986 986 ppm 1238 Zinc ppm 1237 Phosphorus ppm 1114 1135 Barium ppm **||** <1 0 Boron 3 3 ppm Depot:

Unique No: 5813560 Signed: Kevin Marson **Report Date:** 16 Jul 2024

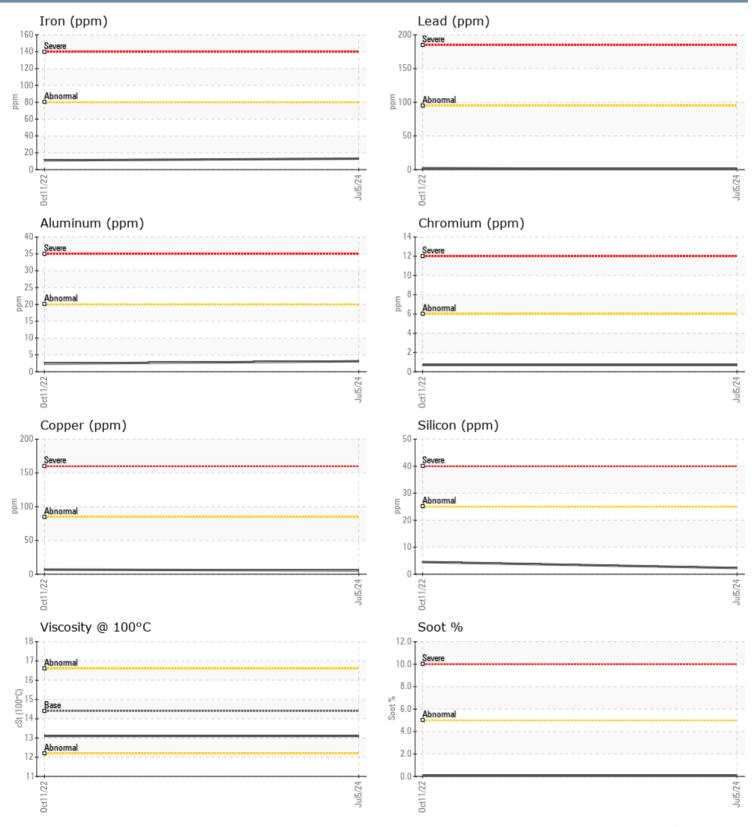
CULNAN



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### GRAPHS



Report Id: CULNAN [WCAMIS] 02648008 (Generated: 07/16/2024 12:56:08) Rev: 1

Contact/Location: Joe Straughan - CULNAN Page 2 of 2