## **OIL ANALYSIS REPORT**

### MANCHESTER 40 DRIVE R812467M VOLVO PENTA 7011481578 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA056671

Oil Type: VOLVO PENTA SAE 15W40

#### SAMPLE INFORMATION VPA056671 VPA048401 Sample Number 15 Sep 2023 06 Oct 2022 Sample Date Machine Hours 210 110 110 **Oil Hours** 0 Oil Changed N/A N/A ATTENTION Sample Status ATTENTION **OIL CONDITION** F: Visc @ 100°C **12.1 12.1** cSt Base Number (BN) mg KOH/g 10.7 11.6 Oxidation (PA) % 73 63 CONTAMINATION 0.1 Soot % % 0.1 % Nitration (PA) 44 49 Sulfation (PA) % 57 55 % Glycol NEG NEG Fuel % <1.0 1.3 Silicon ppm 18 31 Sodium 2 0 ppm Potassium **||** <1 2 ppm WEAR METALS Iron ppm 4 9 3 20 Copper ppm Lead ppm 0 < 1 Tin ■ <1 2 ppm Aluminum ppm ■ <1 1 < 1 Chromium 0 ppm Molybdenum 43 46 ppm Nickel 0 0 ppm Titanium 0 0 ppm 0 Silver 0 ppm Manganese **||** <1 2 ppm 0 0 Vanadium ppm **ADDITIVES** Calcium 1726 1454 ppm Magnesium 541 733 ppm 969 🔲 1254 Zinc ppm Phosphorus ppm 792 1031 Barium ppm 0 🔲 0 Boron 71 8 ppm



**Power Products Systems LLC** 

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#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VP153549

 Unique No:
 10669751

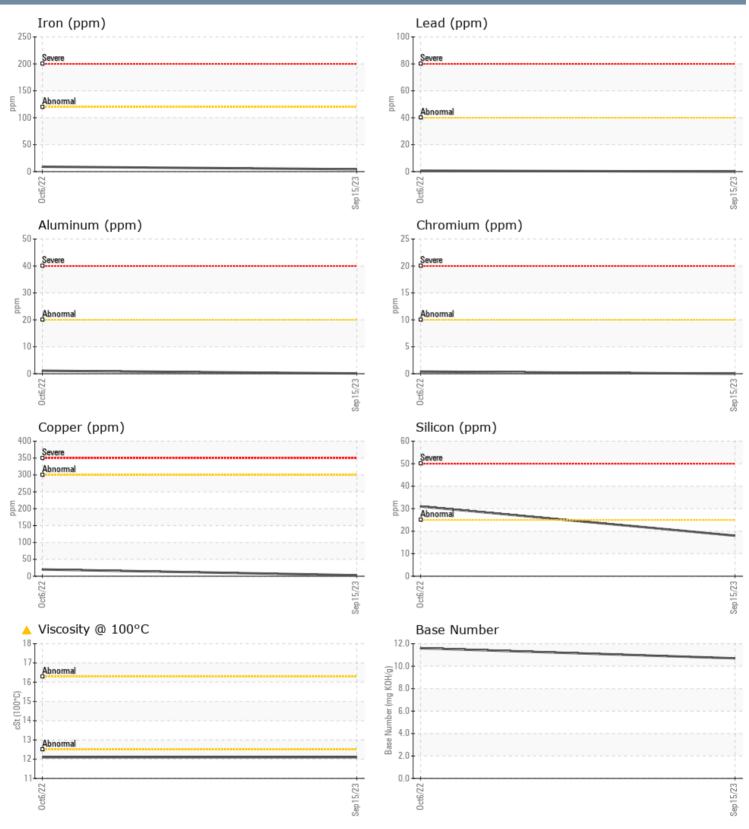
 Signed:
 Sean Felton

 Report Date:
 29 Sep 2023

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#### GRAPHS



Report Id: VP153549 [WUSCAR] 05963200 (Generated: 09/29/2023 12:17:38) Rev: 1

Contact/Location: Cody Clemens - VP153549