## **OIL ANALYSIS REPORT**

### PHIL PHIL VOLVO PENTA A1176205 - PORT DIESEL ENGINE

Sample No: VPA053771

Oil Type: DIESEL ENGINE OIL SAE 40

#### SAMPLE INFORMATION VPA053771 Sample Number Sample Date 07 May 2024 Machine Hours 0 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.79 Base Number (BN) mg KOH/g 9.1 Oxidation (PA) % 58 CONTAMINATION % NEG Water % Soot % 0.6 Nitration (PA) % 56 % Sulfation (PA) 52 Glycol % NEG Fuel % <1.0 Silicon 19 ppm Sodium 3 ppm Potassium 3 ppm WEAR METALS 34 Iron ppm 21 Copper ppm Lead 8 ppm Tin 3 ppm Aluminum 12 ppm Chromium ppm 2 Molybdenum 55 ppm Nickel 1 ppm Titanium ppm **||** <1 0 Silver ppm Manganese 2 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1191 ppm Magnesium 802 ppm Zinc ppm 1130 Phosphorus ppm 882 Barium 0 ppm Boron ppm 31 Depot:

Contact/Location: TARAH AULD - VP867279

Harry's Marine Service LLC 1141 N. Citrus St. Orange, CA US 92887 Contact: TARAH AULD info@harrysmarine.com T: (714)771-7899

#### Diagnosis

No corrective action is recommended at this time. 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.

Dage 1 of

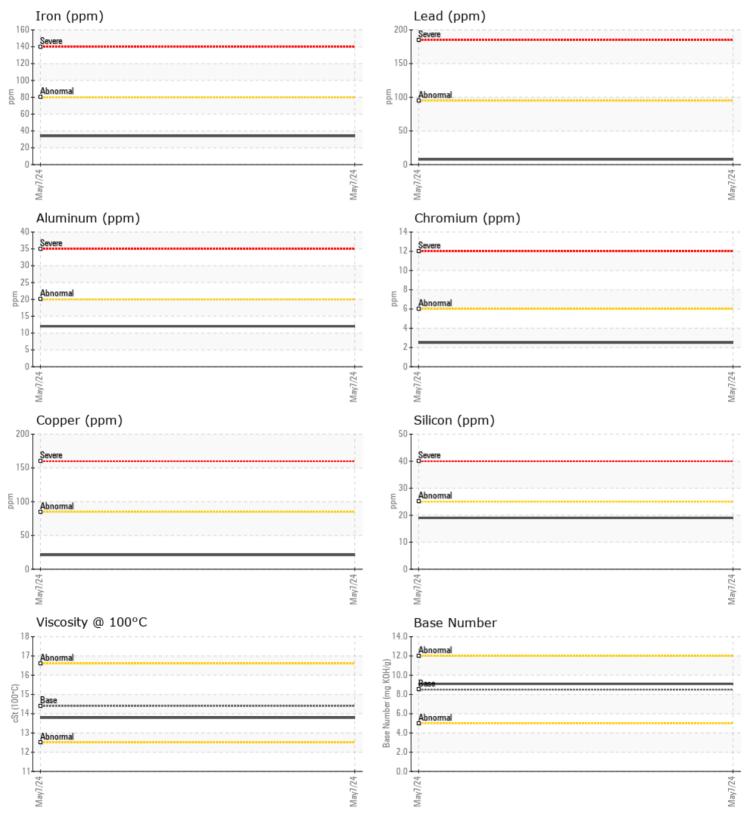
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#### GRAPHS



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