OIL ANALYSIS REPORT

HOWIE VOLVO PENTA 2071185542 - PORT DIESEL ENGINE

Sample No: VPA057046

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA057046 Sample Number Sample Date 10 Apr 2024 Machine Hours 1214 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: 13.2 Visc @ 100°C cSt Base Number (BN) mg KOH/g 9.4 Oxidation (PA) % 62 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 52 % Sulfation (PA) 53 Glycol % NEG Fuel % <1.0 Silicon 5 ppm Sodium 0 🔲 ppm Potassium **||** <1 ppm WEAR METALS Iron 7 ppm 2 Copper ppm Lead ■ <1 ppm Tin ■ <1 ppm Aluminum ppm **||** <1 Chromium ppm <1 35 Molybdenum ppm Nickel 0 🔲 ppm Titanium ppm 0 🔲 Silver ppm 0 Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1492 ppm Magnesium 467 ppm Zinc ppm 1143 Phosphorus ppm 987 Barium 0 ppm Boron ppm 74



Outstanding Marine PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T:

Diagnosis

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.

 Depot:
 VP153685

 Unique No:
 10981787

 Signed:
 Doug Bogart

 Report Date:
 19 Apr 2024

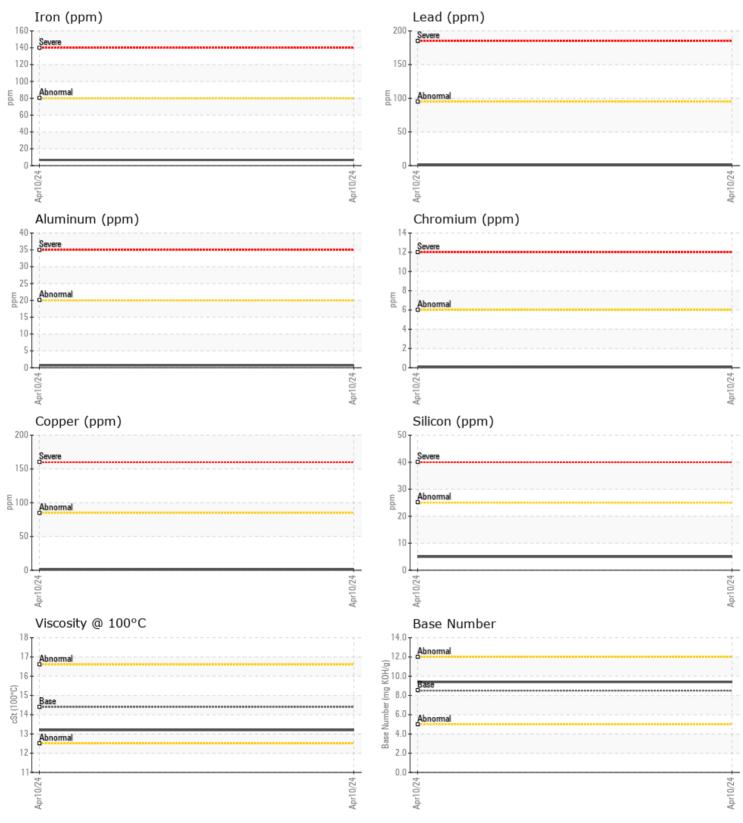
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Contact/Location: Ronda Bolinger - VP153685

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GRAPHS



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