OIL ANALYSIS REPORT

HORSMAN VOLVO PENTA 7008451635 - STARBOARD DIESEL ENGINE

Sample No: VPA035636

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA035636 Sample Number Sample Date 15 Mar 2024 Machine Hours 431 **Oil Hours** 54 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 15.5 Base Number (BN) mg KOH/g 6.7 Oxidation (PA) % 63 CONTAMINATION % NEG Water % Soot % 1 Nitration (PA) % 58 % Sulfation (PA) 58 Glycol % NEG Fuel % <1.0 Silicon 9 ppm Sodium 3 ppm Potassium 8 🔲 ppm WEAR METALS Iron 9 ppm 34 Copper ppm Lead ppm **||** < 1 Tin ■ <1 ppm Aluminum ppm 2 Chromium 1 ppm Molybdenum ppm 1 Nickel 1 ppm Titanium ppm **||** <1 Silver ■ <1 ppm Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 2287 ppm Magnesium 34 ppm Zinc ppm 1206 Phosphorus ppm 1043 Barium 0 ppm Boron ppm 158



YACHT BASIN MARINA

1866 OTTAWA BEACH RD HOLLAND, MI US 49424 Contact: OIL SAMPLE/PART kyle@yachtbasinmarina.com T: (616)786-2205

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.

 Depot:
 VP718610

 Unique No:
 10937594

 Signed:
 Don Baldridge

 Report Date:
 22 Mar 2024

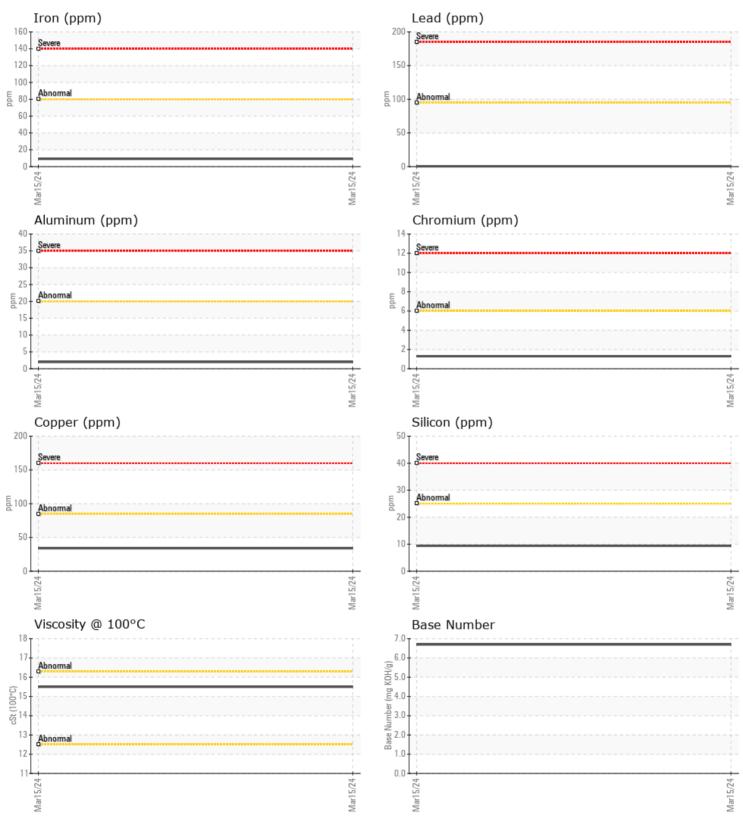
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GRAPHS



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