## **OIL ANALYSIS REPORT**

### BRAD WATSON BRAD WATSON - STARBOARD DIESEL ENGINE

Sample No: VPA052402

**Oil Type: DIESEL ENGINE OIL SAE 40** 

#### SAMPLE INFORMATION VPA052402 Sample Number **MELBOURNE MARINE DIESEL** Sample Date 15 May 2024 Machine Hours 0 MELBOURNE, FL 0 **Oil Hours** 115 Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.3 Base Number (BN) mg KOH/g 7.9 Oxidation (PA) % 63 CONTAMINATION % NEG Water % Soot % 0.5 Nitration (PA) % 71 % Sulfation (PA) 55 Glycol % NEG % Fuel <1.0 Silicon 5 ppm Sodium 3 ppm Potassium **||** <1 ppm WEAR METALS 11 Iron ppm 17 Copper ppm Lead 0 🔲 ppm Tin 0 ppm Aluminum ppm 2 Chromium ppm <1 38 Molybdenum ppm Nickel 0 ppm Titanium ppm 0 🔲 Silver ppm ■ <1 Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1317 ppm Magnesium 442 ppm Zinc ppm 1041 Phosphorus ppm 875 Barium 0 ppm Boron ppm 24 Depot:

Unique No: Signed: **Report Date:** Contact/Location: SERVICE MANAGER - VP1222400

Contact: SERVICE MANAGER info@melbournemarinediesel.com T: (321)425-2517

#### Diagnosis

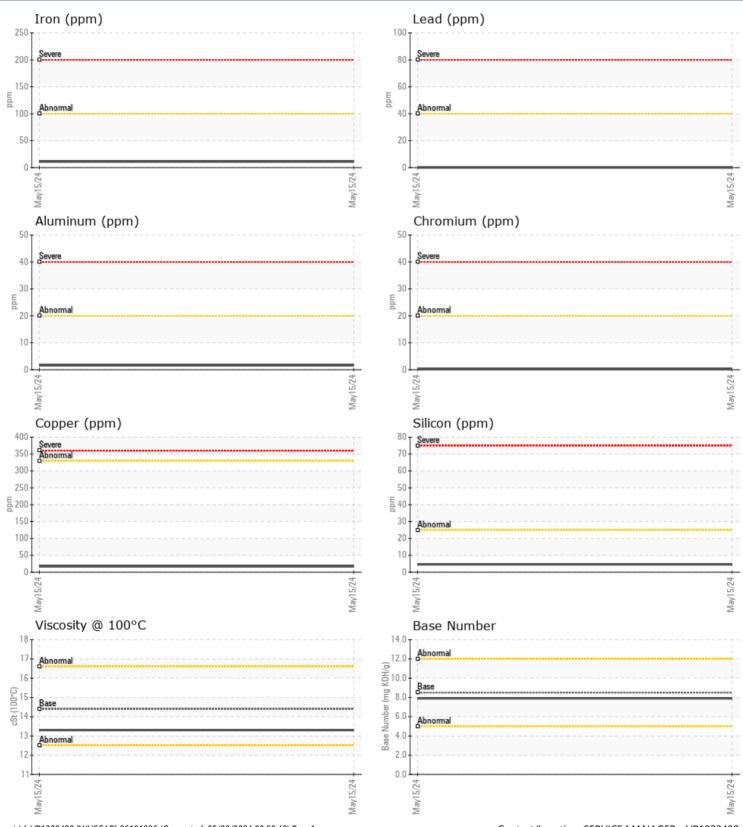
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



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#### GRAPHS



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