OIL ANALYSIS REPORT

BRAD WATSON BRAD WATSON - PORT DIESEL ENGINE

Sample No: VPA052400

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA052400 Sample Number **MELBOURNE MARINE DIESEL** Sample Date 15 May 2024 Machine Hours 0 0 **Oil Hours** 115 Oil Changed N/A NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.6 Base Number (BN) mg KOH/g 7.4 Oxidation (PA) % 66 CONTAMINATION % NEG Water % Soot % 0.5 Nitration (PA) % 73 % Sulfation (PA) 57 Glycol % NEG % Fuel <1.0 Silicon 4 ppm Sodium 3 ppm Potassium 3 ppm WEAR METALS Iron 13 ppm 16 Copper ppm Lead 0 🔲 ppm Tin 0 ppm Aluminum ppm 2 Chromium ppm <1 25 Molybdenum ppm Nickel 0 ppm Titanium ppm 0 🔲 Silver ppm ■ <1 0 Manganese ppm Vanadium ppm <1 **ADDITIVES** Calcium 1548 ppm Magnesium 288 ppm Zinc ppm 1058 Phosphorus ppm 885 Barium 0 ppm Boron ppm 49 Depot:

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

VP1222400 11032354 Jonathan Hester 20 May 2024

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MELBOURNE, FL

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

Diagnosis

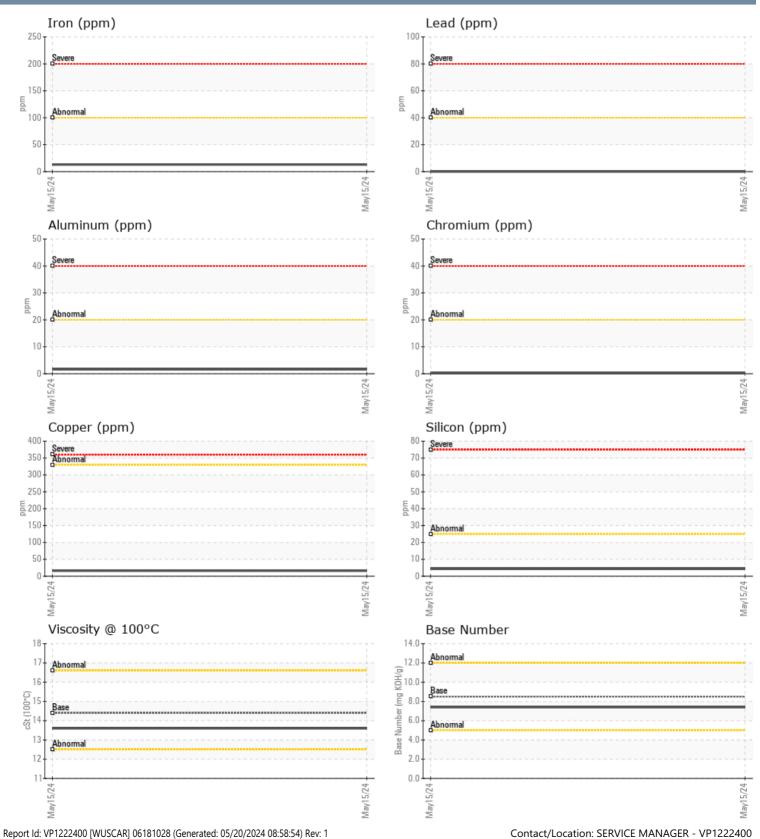
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



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GRAPHS



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