OIL ANALYSIS REPORT

ROBERT TUTLAND AJD/502764 NORTHERN LIGHTS 156287 - GENSET

Sample No: VPA060250

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

SAMPLE INFORMATION Sample Number VPA060250 13 Feb 2024 Sample Date Machine Hours 0 0 **Oil Hours** Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.0 Base Number (BN) mg KOH/g 8.4 Oxidation (PA) % 58 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 48 % Sulfation (PA) 57 Glycol % NEG Fuel % <1.0 Silicon 8 ppm Sodium 0 🔲 ppm Potassium 4 ppm WEAR METALS Iron 4 ppm 10 Copper ppm Lead ppm 1 🗌 Tin ■ <1 ppm Aluminum ppm 4 Chromium ppm <1 Molybdenum 80 ppm Nickel **||** <1 ppm Titanium ppm **||** <1 Silver ppm ■ <1 Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1332 ppm Magnesium 617 ppm Zinc ppm 771 Phosphorus ppm 702 Barium 0 ppm Boron ppm 283 Depot: Unique No: Signed:

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

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.

Contact/Location: WILLOW YANARELLA - VP794951

Report Date:

VP794951

10883713

Don Baldridge

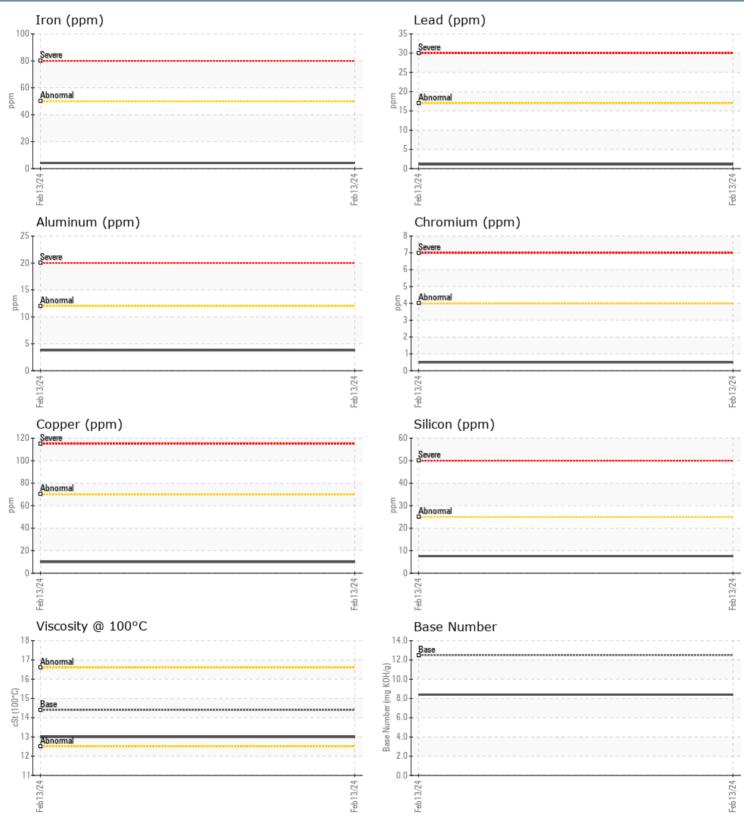
19 Feb 2024



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GRAPHS



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