OIL ANALYSIS REPORT

RYAN KELLEY SAM KOHLER 0643087 - GENSET

Sample No: VPA060502

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION VPA060502 VPA047667 Sample Number 14 Feb 2024 Sample Date 17 Jan 2023 Machine Hours 1853 1779 1779 **Oil Hours** 0 Oil Changed Changed Not Changd NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 13.2 12.9 Base Number (BN) mg KOH/g 9.7 10.2 Oxidation (PA) % 58 57 CONTAMINATION % NEG Water NFG % Soot % 0.1 0.1 Nitration (PA) % 47 47 Sulfation (PA) % 50 52 Glycol % NEG NFG Fuel % <1.0 <1.0 Silicon 8 6 ppm Sodium ppm 5 < Potassium 2 0 ppm WEAR METALS 23 Iron 31 ppm **||** <1 < 1 Copper ppm Lead 0 ppm 0 Tin 0 0 ppm Aluminum < 1</p> ppm 4 Chromium 3 1 ppm Molybdenum 95 57 ppm Nickel 0 0 ppm Titanium ppm **||** <1 0 0 0 Silver ppm Manganese 0 🔲 < 1 ppm 0 Vanadium ppm <1 **ADDITIVES** 1148 Calcium 1583 ppm Magnesium 1515 885 ppm Zinc ppm 1903 1159 Phosphorus ppm 1662 971 Barium 0 0 ppm Boron ppm 13 24

VP794951

10910361

Sean Felton

05 Mar 2024

Depot:

Signed:

Unique No:

Report Date:

Report Id: VP794951 [WUSCAR] 06106864 (Generated: 03/08/2024 07:51:56) Rev: 1

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

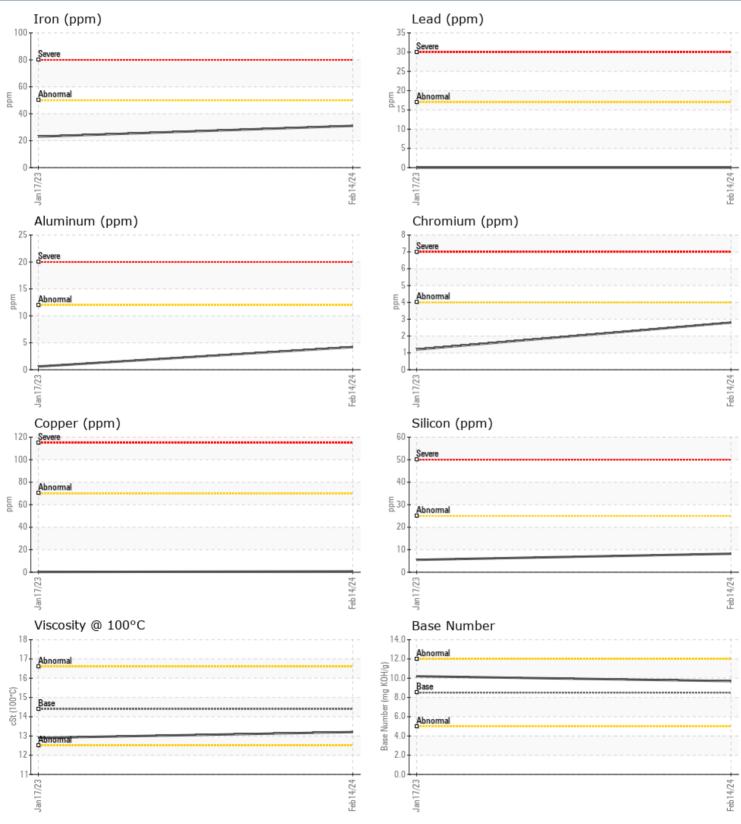
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: WILLOW YANARELLA - VP794951