OIL ANALYSIS REPORT

WILLY LIPPMANN 91869 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA056248

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA056248 VPA040136 Sample Number Sample Date 12 Jan 2024 29 Mar 2023 Machine Hours 2381 1925 200 1900 **Oil Hours** Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 13.0 13.2 Base Number (BN) mg KOH/g 8.3 8.0 Oxidation (PA) % 58 57 CONTAMINATION Water % NEG NFG % Soot % 0.4 0.1 Nitration (PA) % 45 41 Sulfation (PA) % 58 58 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 15 14 ppm Sodium 2 1 ppm Potassium **||** <1 ppm <1 WEAR METALS Iron 4 ppm 5 10 2 Copper ppm Lead 0 ppm 0 Tin 0 0 ppm Aluminum 2 ppm 2 Chromium 0 < 1 ppm 80 Molybdenum 92 ppm Nickel 0 🔲 0 ppm Titanium ppm **||** <1 0 Silver ■ <1 ppm Manganese < 1 **||** <1 ppm 0 Vanadium ppm <1 **ADDITIVES** 1445 Calcium 1365 ppm **400** 467 Magnesium ppm Zinc ppm 1238 1236 Phosphorus ppm 1045 1036 Barium 0 0 ppm Boron ppm 390 491

 Unique No:
 10833684

 Signed:
 Sean Felton

 Report Date:
 18 Jan 2024

VP1121775

Depot:

MCCOURT & SONS EQUIPMENT INC 5141 HWY 71 W

LA GRANGE, TX US 78945 Contact: WAYNE BESEDA wklesel@mccourtandsons.com T: (979)242-5298 F:

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.

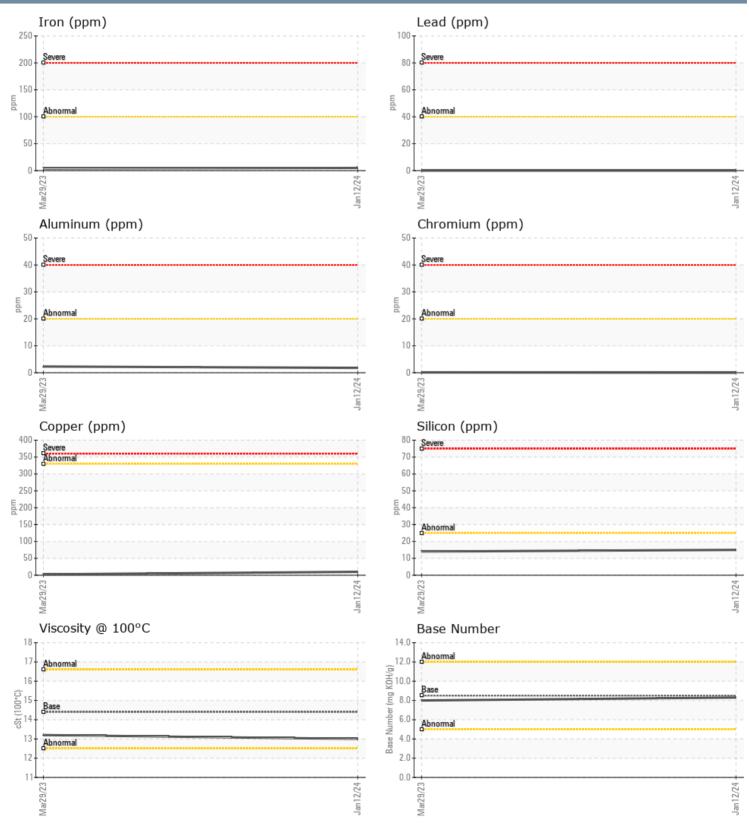




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GRAPHS



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