OIL ANALYSIS REPORT

3708/65-04 CUMMINS/ONAN C150801092 - CENTER GENSET

Sample No: VPA058347

Oil Type: SHELL 15W40

SAMPLE INFORMATION VPA058347 VPA054448 Sample Number 04 Jun 2024 21 Feb 2024 Sample Date Machine Hours 1102 1336 **Oil Hours** 0 0 Oil Changed Changed Not Changd ABNORMAL Sample Status SEVERE **OIL CONDITION** F: Visc @ 100°C **11.39** ▲ 7.6 cSt Base Number (BN) mg KOH/g 8.7 5.8 Oxidation (PA) 62 89 % CONTAMINATION Water % NEG NFG % Soot % 0.2 0.8 Nitration (PA) % 45 72 Sulfation (PA) % 53 63 Glycol % NEG NEG Fuel % 6.9 **2**5.2 Silicon 6 13 ppm Sodium 9 🔲 60 ppm Potassium 27 **1**33 ppm WEAR METALS **1**13 Iron 22 ppm 6 Copper ppm 28 Lead ppm 0 < 1</p> Tin □ < 1 ppm ■ <1 Aluminum 4 ppm 4 Chromium <1 2 ppm 73 Molybdenum ppm 57 Nickel 0 1 ppm Titanium ppm <1 < 1 0 0 Silver ppm Manganese <1 2 ppm Vanadium ppm 0 <1 **ADDITIVES** Calcium 1007 976 ppm 856 814 Magnesium ppm Zinc ppm 1111 1186 Phosphorus ppm 929 977 Barium 2 2 ppm Boron ppm 8 8



GRAND BANKS

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Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VP531377

 Unique No:
 11069424

 Signed:
 Doug Bogart

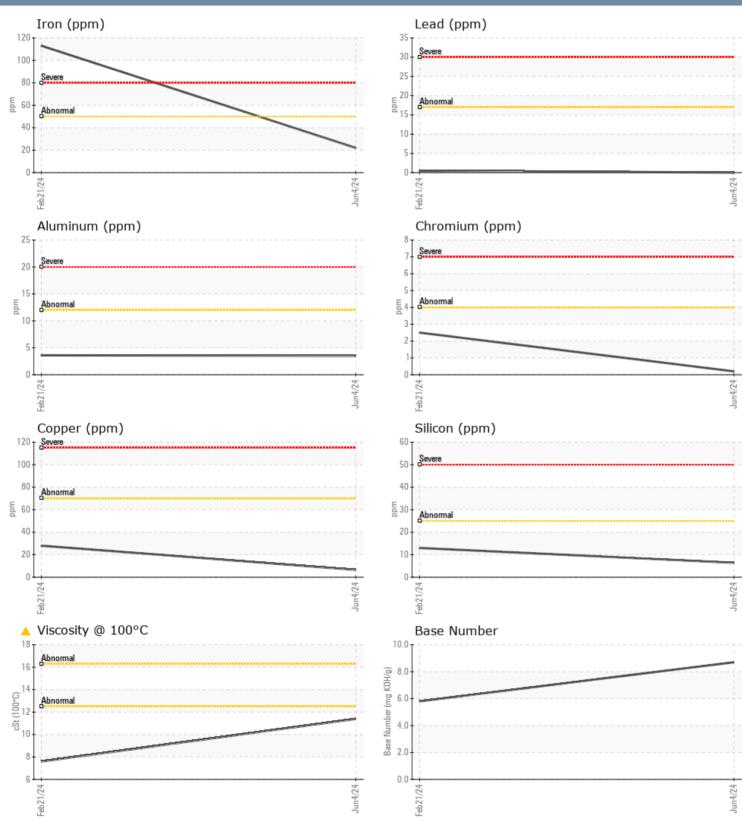
 Report Date:
 06 Jun 2024

Contact/Location: ROBERT ANTONA - VP531377

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