OIL ANALYSIS REPORT

WARD 520-178 CUMMINS/ONAN C200747824 - GENSET

Sample No: VPA057006

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA057006 Sample Number **Outstanding Marine** 27 Nov 2023 Sample Date Machine Hours 296 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.8 Base Number (BN) mg KOH/g 9.8 Oxidation (PA) % 55 CONTAMINATION % Water NEG % Soot % 0.1 Nitration (PA) % 42 % Sulfation (PA) 51 Glycol % NEG Fuel % <1.0 Silicon 7 ppm Sodium **||** <1 ppm Potassium 0 ppm WEAR METALS Iron 3 ppm 2 Copper ppm Lead 0 🔲 ppm Tin ppm <1 Aluminum ppm **|** <1 Chromium 0 ppm Molybdenum ppm 57 Nickel 0 🔲 ppm Titanium ppm **||** <1 Silver 0 ppm Manganese **||** <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1037 ppm 950 Magnesium ppm Zinc ppm 1214 990 Phosphorus ppm Barium 0 🔲 ppm Boron ppm 2 Depot:

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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.



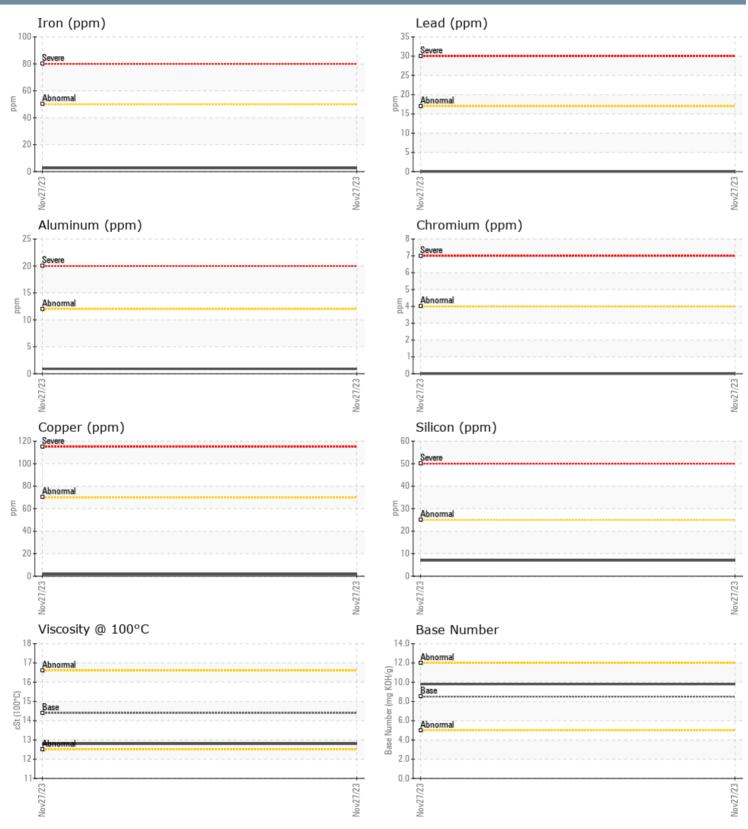
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GRAPHS



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