048304-1476 - DIESEL ENGINE

Sample No: LH0182719

Boron

ppm

Oil Type: TOTAL FINA RUBIA TIR 7900 FE 10W30

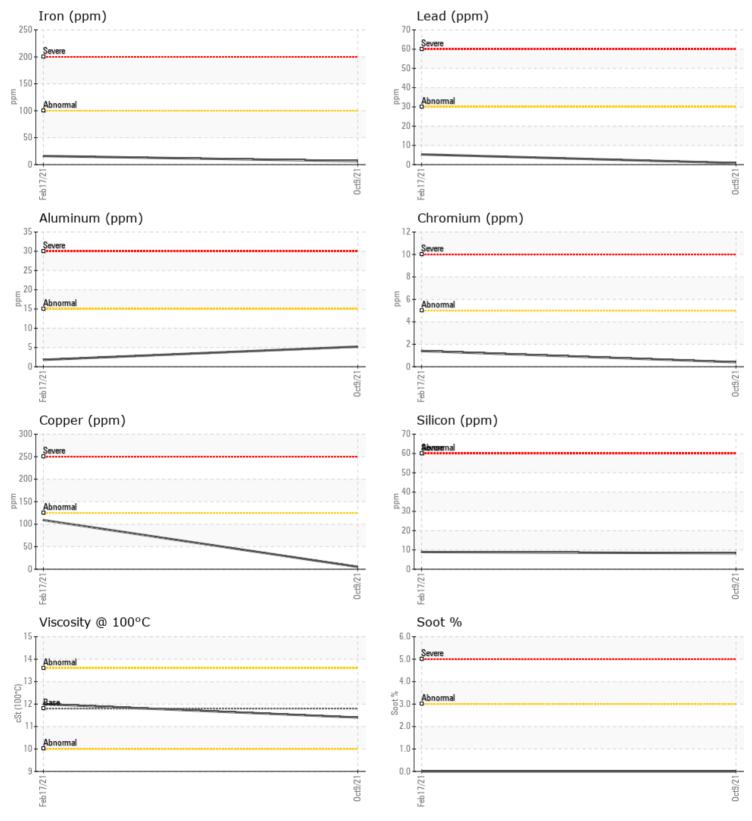
SAMPLE INFORMATION LH0182719 LH0148786 Sample Number **American Iron and Metal** 17 Feb 2021 09 Oct 2021 Sample Date 75 Steel City Court Machine Hours 1606 593 Hamilton, ON Oil Hours 0 0 CA L8H 3Y2 Oil Changed Changed Changed Sample Status NORMAL NORMAL T: (905)547-5533 **OIL CONDITION** F: (905)544-5671 Visc @ 40°C cSt 78.8 Diagnosis Visc @ 100°C cSt 12.0 11.4 Viscosity Index (VI) Scale 135 Oxidation (PA) 188 % 75 CONTAMINATION % NEG Water NEG % Soot % 0 0 Nitration (PA) % 86 96 % Sulfation (PA) 63 104 % NEG NEG Glycol % Fuel <1.0 <1.0 Silicon 9 ppm 8 Sodium 3 3 ppm Potassium 10 3 ppm WEAR METALS 16 Iron ppm 6 🔲 Copper 5 109 ppm Lead ppm ■ <1 5 Tin 2 ppm ■ <1 Aluminum 2 ppm 5 🔲 Chromium 1 **||** <1 ppm Molybdenum 89 53 ppm Nickel ■ <1 □ < 1 ppm Titanium ppm 0 <1 < 1 Silver <1 ppm Manganese ppm <1 < 1 Vanadium 0 0 ppm **ADDITIVES** Calcium 2203 1474 ppm Depot: AMEHAM Magnesium 34 765 Unique No: 5293333 ppm Signed: Wes Davis 1189 915 Zinc ppm **Report Date:** 19 Oct 2021 690 Phosphorus ppm **1050**)9:01:ፏូሕ) Rev: 1 / ppm Barium **<**1 24

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Contact: Heavy Equipment hamiltonmobileassetmaintenance@aim-recycling.com

Resample at the next service interval to monitor.All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

GRAPHS



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