

OIL ANALYSIS REPORT

Sample Rating Trend



NEW FLYER 1207

Diesel Engine

SAFETY-KLEEN PERFORMANCE PLUS XHD-7 15W40 (--- GAL)

SAMPLE INFORMATION WC0917681 WC0890988 WC0891148 Sample Number **Client Info** 25 Mar 2024 08 Feb 2024 Sample Date Client Info 29 Dec 2023 875440 Machine Age kms **Client Info** 867305 858048 Oil Age kms Client Info 0 0 0 Oil Changed N/A N/A Changed **Client Info** SEVERE ABNORMAL Sample Status ABNORMAL CONTAMINATION Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG WEAR METALS method Iron ASTM D5185(m) >75 14 18 19 ppm Chromium ppm ASTM D5185(m) >5 <1 <1 <1 Nickel ASTM D5185(m) 0 <1 <1 ppm >4 0 ASTM D5185(m) >2 n 0 Titanium ppm Silver ppm ASTM D5185(m) >2 0 0 0 Aluminum ASTM D5185(m) >15 2 2 ppm <1 ASTM D5185(m) >25 0 0 0 Lead ppm ASTM D5185(m) Copper >100 <1 <1 ppm <1 0 0 0 Tin ppm ASTM D5185(m) >4 0 Antimony ASTM D5185(m) 0 0 ppm Vanadium ppm ASTM D5185(m) 0 0 0 0 Beryllium 0 0 ppm ASTM D5185(m) 0 0 Cadmium ppm ASTM D5185(m) 0 **ADDITIVES** Boron <1 <1 <1 ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 0 Molybdenum 60 60 ppm ASTM D5185(m) 54 Manganese ASTM D5185(m) 0 0 0 ppm Magnesium ppm ASTM D5185(m) 896 971 971 Calcium ppm ASTM D5185(m) 943 1040 1044 Phosphorus ppm ASTM D5185(m) 911 1010 1000 Zinc ASTM D5185(m) 1091 1188 1184 ppm 2226 Sulfur ASTM D5185(m) 2604 2571 ppm Lithium ASTM D5185(m) ppm <1 <1 <1 CONTAMINANTS method history2 >25 4 4 3 Silicon ppm ASTM D5185(m) Sodium 3 5 7 ppm ASTM D5185(m) Potassium ppm ASTM D5185(m) >20 <1 2 3 Fuel % ASTM D7593* >3.0 **A** 7.7 4 4.4 **INFRA-RED** Soot % % ASTM D7844* >6 0.7 0.9 1 Abs/cm 10.2 10.5 Nitration ASTM D7624* >20 10.4 Sulfation ASTM D7415* 22.8 Abs/.1mm >30 21.6 22.7

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

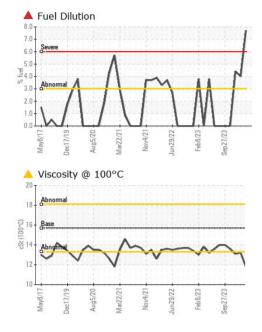
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

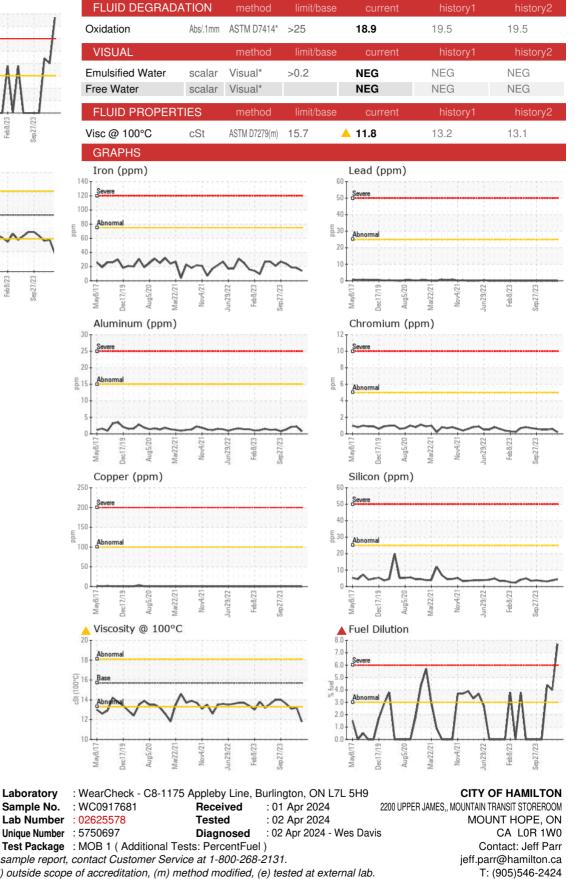
Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



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To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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CALA

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Laboratory

Laboratory

Sample No.

Contact/Location: Jeff Parr - HAMHAM

F: (905)679-4502