

OIL ANALYSIS REPORT

Sample Rating Trend





NEW FLYER 1004

Diesel Engine

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

SAMPLE INFORMATION method WC0937264 WC0917464 WC0878031 Sample Number Client Info 18 Apr 2024 10 Jun 2024 Sample Date Client Info 07 Mar 2024 155309 144583 Machine Age kms **Client Info** 136066 Oil Age kms Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A SEVERE Sample Status SEVERE SEVERE CONTAMINATION Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG WEAR METALS history? 23 25 Iron ASTM D5185(m) >75 23 ppm Chromium ASTM D5185(m) >5 ppm 1 1 1 Nickel ASTM D5185(m) >4 0 <1 <1 ppm 0 0 0 ASTM D5185(m) >2 Titanium ppm Silver ppm ASTM D5185(m) >2 0 0 0 Aluminum ASTM D5185(m) >15 2 2 3 ppm ASTM D5185(m) >25 0 0 0 Lead ppm ASTM D5185(m) Copper ppm >100 <1 <1 <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 0 Beryllium 0 ppm ASTM D5185(m) Cadmium 0 0 ppm ASTM D5185(m) 0 **ADDITIVES** Boron ASTM D5185(m) 3 <1 <1 ppm 0 0 Barium ppm ASTM D5185(m) 0 56 Molybdenum 58 57 ppm ASTM D5185(m) Manganese ASTM D5185(m) <1 <1 0 ppm Magnesium ppm ASTM D5185(m) 950 915 906 Calcium ppm ASTM D5185(m) 1005 974 966 Phosphorus 928 ppm ASTM D5185(m) 970 928 Zinc ASTM D5185(m) 1155 1117 1112 ppm 2340 2218 2386 Sulfur ppm ASTM D5185(m) Lithium ASTM D5185(m) ppm <1 <1 <1 CONTAMINANTS method history? 3 3 3 >25 Silicon ppm ASTM D5185(m) Sodium 3 3 3 ppm ASTM D5185(m) Potassium ppm ASTM D5185(m) >20 <1 <1 2 Fuel % ASTM D7593* >3.0 **A** 7.7 12.1 **1**0.9 **INFRA-RED** Soot % % ASTM D7844* >6 0.8 0.9 0.8 Abs/cm 13.1 12.7 Nitration ASTM D7624* >20 11.7 Sulfation ASTM D7415* 24.2 Abs/.1mm >30 24.4 23.6

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

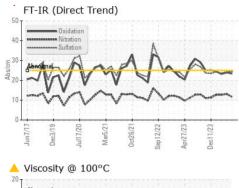
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

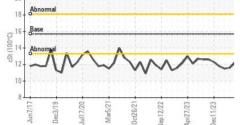
Fluid Condition

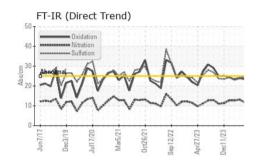
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

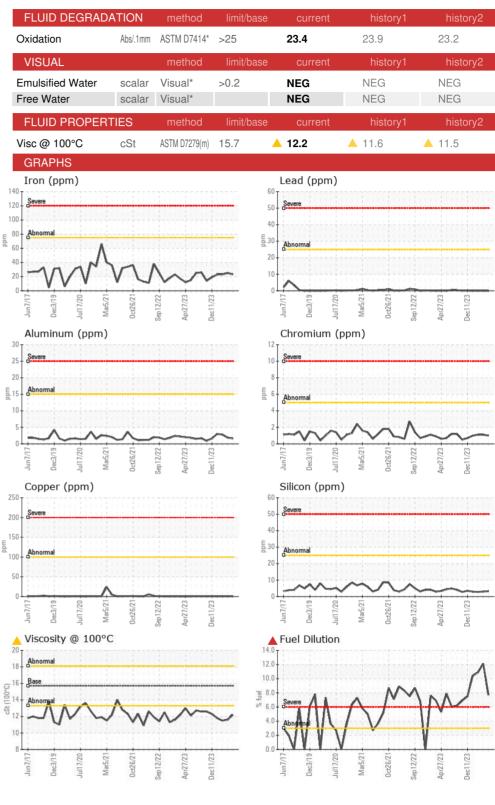


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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CITY OF HAMILTON** CALA 2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM Sample No. : WC0937264 Received : 13 Jun 2024 Lab Number : 02641650 Tested : 14 Jun 2024 MOUNT HOPE, ON ISO 17025:2017 Accredited Unique Number : 5799189 Diagnosed : 14 Jun 2024 - Wes Davis CA LOR 1W0 Laboratory Test Package : MOB 1 (Additional Tests: PercentFuel) Contact: Jeff Parr To discuss this sample report, contact Customer Service at 1-800-268-2131. jeff.parr@hamilton.ca T: (905)546-2424 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. F: (905)679-4502

Report Id: HAMHAM [WCAMIS] 02641650 (Generated: 06/14/2024 09:39:19) Rev: 1

Contact/Location: Jeff Parr - HAMHAM

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