

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL



NEW FLYER 1114

Component Diesel Engine

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

Sample Number Client Info WC0891142 WC0849845 WC08 Sample Date Client Info 04 Jan 2024 22 Nov 2023 29 Se Machine Age kms Client Info 798519 790355 0 Oil Age kms Client Info 0 0 0 0 Oil Changed Client Info Changed N/A N/A Sample Status method Imil/base current history1 r Water WC Method >0.2 NEG NEG NEG 0.0 Water WC Method >0.2 NEG NEG 0.0 Water WC Method >55 <1 <1 <1 <1 Iron ppm ASTM D5185(m) >55 <1 <1 <1 <1 Iran ppm ASTM D5185(m) >2 0 <1 <1 <1 Iran ppm ASTM D5185(m) >2 0 <1<<<1 <1							
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Lead ppm ASTM D5185(m) >25 0 <1	ver p	pm AS	STM D5185(m)	>2	0	<1	<1
Copper ppm ASTM D5185(m) >100 <1 <1 <1 <1 Tin ppm ASTM D5185(m) >4 0 0 0 Antimony ppm ASTM D5185(m) >4 0 0 0 Vanadium ppm ASTM D5185(m) 0 0 0 0 Beryllium ppm ASTM D5185(m) 0 0 0 0 Cadmium ppm ASTM D5185(m) 0 0 0 0 ADDITIVES method limit/base current history1 h Barium ppm ASTM D5185(m) <1	iminum p	pm AS	STM D5185(m)	>15	2	1	<1
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Silicon ppm ASTM D5185(m) >25 6 4 6 Sodium ppm ASTM D5185(m) 10 14 25 Potassium ppm ASTM D5185(m) >20 4 4 8 Fuel % ASTM D7593* >3.0 5.1 6.2 4.8	nium p	pm AS	STM D5185(m)		<1	<1	<1
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	NFRA-RED		method	limit/base	current	history1	history2
Soot % % ASTM D7844* >6 0.6 1.2 1.4	ot % %	6 AS	STM D7844*	>6	0.6	1.2	1.4
Nitration Abs/cm ASTM D7624* >20 8.9 11.0 11	ration A	bs/cm As	STM D7624*	>20	8.9	11.0	11.3
Sulfation Abs/.1mm ASTM D7415* >30 20.5 25.4 25	Ifation A	os/.1mm AS	STM D7415*	>30	20.5	25.4	25.9

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

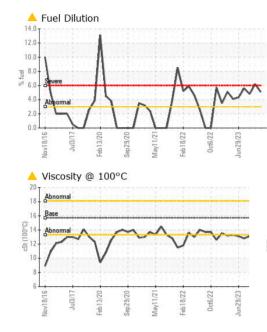
Contamination

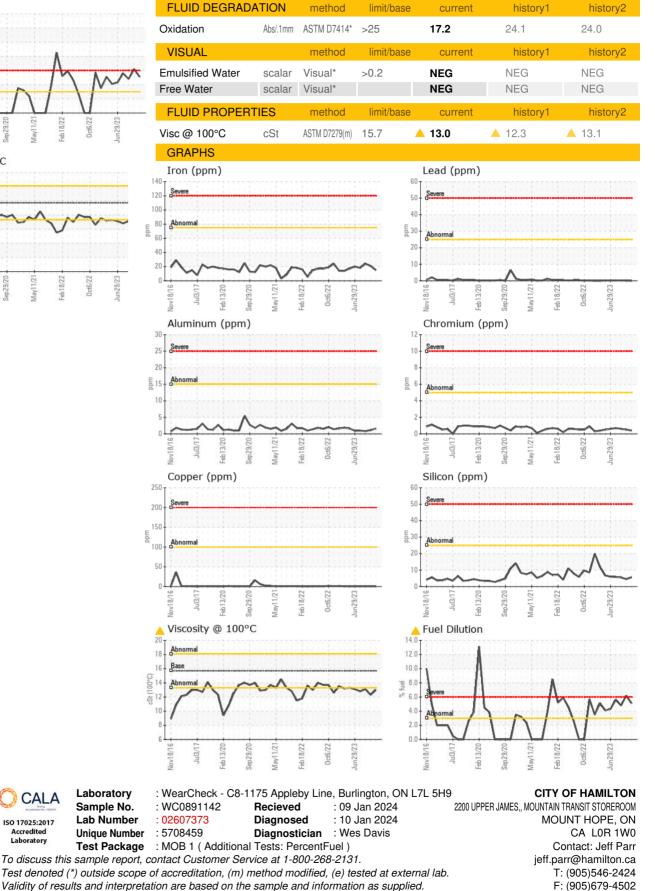
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

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.

OIL ANALYSIS REPORT





Report Id: HAMHAM [WCAMIS] 02607373 (Generated: 01/10/2024 09:34:29) Rev: 1

CALA

ISO 17025:2017 Accredited

Laboratory

Laboratory

Sample No.

Lab Number

Contact/Location: Jeff Parr - HAMHAM