

# **OIL ANALYSIS REPORT**

Sample Rating Trend

**GLYCOL** 



NEW FLYER 1108

Diesel Engine

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917632	WC0891117	WC0891037
Sample Date		Client Info		02 Apr 2024	14 Feb 2024	04 Jan 2024
Machine Age	kms	Client Info		861348	802714	843856
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	29	18	18
Chromium	ppm	ASTM D5185(m)	>5	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>15	2	3	2
Lead	ppm	ASTM D5185(m)	>25	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>100	2	1	1
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		5	2	2
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		87	76	74
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		858	911	931
Calcium	ppm	ASTM D5185(m)		928	994	1015
Phosphorus	ppm	ASTM D5185(m)		920	1008	1020
Zinc	ppm	ASTM D5185(m)		1041	1111	1136
Sulfur	ppm	ASTM D5185(m)		2296	2627	2607
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	10	7	7
Sodium	ppm	ASTM D5185(m)		<mark> </mark> 367	235	212
Potassium	ppm	ASTM D5185(m)	>20	<u> </u>	<b>1</b> 47	<b>1</b> 32
Fuel	%	ASTM D7593*	>3.0	<u> </u>	<b>A</b> 3.5	<b>A</b> 3.1
Glycol	%	ASTM D7922*		0.0	0.0	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.8	1.1	1.1
Nitration	Abs/cm	ASTM D7624*	>20	12.8	10.0	10.3
Nillalion	7100/0111	NOTIVI DI OLA	~20	12.0	10.0	10.0

## Recommendation

Check for low coolant level. 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

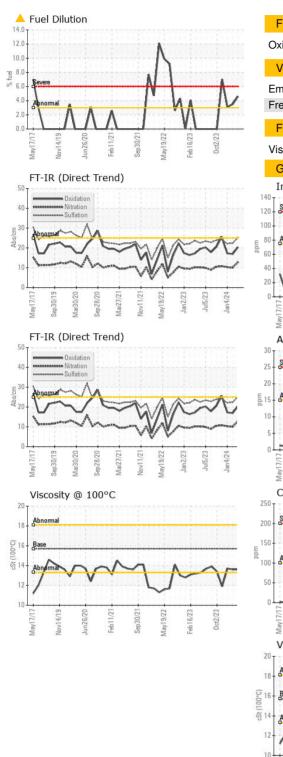
There is a moderate amount of fuel present in the oil. Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. Tests confirm the presence of fuel in the oil.

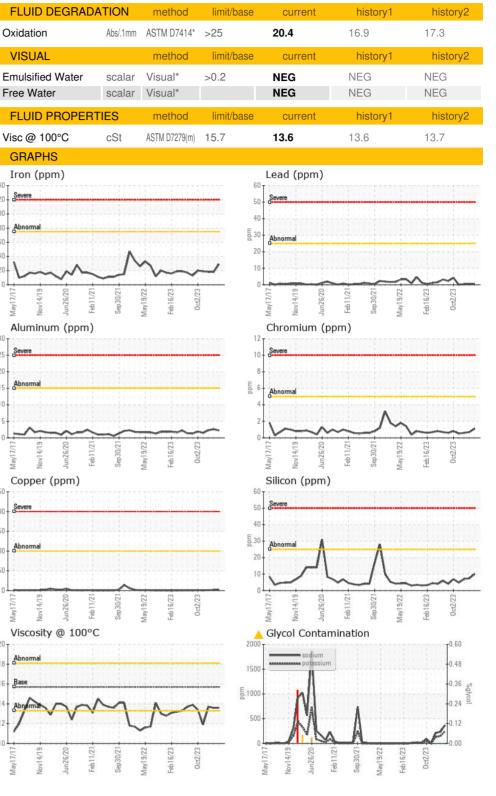
### Fluid Condition

The oil is no longer serviceable due to the presence of contaminants. The condition of the oil is acceptable for the time in service (see recommendation).



# **OIL ANALYSIS REPORT**





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CITY OF HAMILTON** CALA Sample No. : WC0917632 Received : 04 Apr 2024 2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM Lab Number : 02626540 Tested : 05 Apr 2024 MOUNT HOPE, ON ISO 17025:2017 Accredited Unique Number : 5759672 Diagnosed : 05 Apr 2024 - Kevin Marson CA LOR 1W0 Laboratory Test Package : MOB 1 (Additional Tests: Glycol, PercentFuel) Contact: Jeff Parr To discuss this sample report, contact Customer Service at 1-800-268-2131. jeff.parr@hamilton.ca Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (905)546-2424 Validity of results and interpretation are based on the sample and information as supplied. F: (905)679-4502

Report Id: HAMHAM [WCAMIS] 02626540 (Generated: 04/05/2024 09:37:18) Rev: 1

Contact/Location: Jeff Parr - HAMHAM

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