

# **OIL ANALYSIS REPORT**

Sample Rating Trend

FUEL



Machine Id **NEW FLYER 1215** 

**Diesel Engine** Fluid

SAFETY-KLEEN PERFORMANCE PLU

1215 CE PLUS XHD-7 15W40 ( GAL)							
SAMPLE INFOR	· /	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0917593	WC0937098	WC0917633	
Sample Date		Client Info		10 Jul 2024	14 May 2024	02 Apr 2024	
Machine Age	kms	Client Info		891139	879419	869982	
Dil Age	kms	Client Info		0	0	0	
Dil Changed		Client Info		N/A	N/A	N/A	
Sample Status				ABNORMAL	SEVERE	SEVERE	
CONTAMINATIC	N	method	limit/base	current	history1	history2	
Water		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185(m)	>75	27	20	24	
Chromium	ppm	ASTM D5185(m)	>5	1	<1	1	
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1	
Fitanium	ppm	ASTM D5185(m)	>2	0	0	0	
Silver	ppm	ASTM D5185(m)	>2	<1	0	0	
Aluminum	ppm	ASTM D5185(m)	>15	1	1	2	
ead	ppm	ASTM D5185(m)	>25	1	0	0	
Copper	ppm	ASTM D5185(m)	>100	<1	<1	<1	
Гin	ppm	ASTM D5185(m)	>4	0	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	0	
/anadium	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)		<1	<1	2	
Barium	ppm	ASTM D5185(m)		0	0	0	
Nolybdenum	ppm	ASTM D5185(m)		58	58	56	
Manganese	ppm	ASTM D5185(m)		<1	<1	0	
/agnesium	ppm	ASTM D5185(m)		906	917	898	
Calcium	ppm	ASTM D5185(m)		956	976	970	
Phosphorus	ppm	ASTM D5185(m)		953	957	898	
Zinc	ppm	ASTM D5185(m)		1127	1124	1071	
Sulfur	ppm	ASTM D5185(m)		2230	2252	2150	
₋ithium	ppm	ASTM D5185(m)		<1	<1	<1	
CONTAMINANTS	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	6	4	3	
Sodium	ppm	ASTM D5185(m)		21	19	28	
Potassium	ppm	ASTM D5185(m)	>20	11	10	14	
Fuel	%	ASTM D7593*	>3.0	<b>4.3</b>	<b>6</b> .2	<b>6</b> .4	

Glycol	%	ASTM D7922*		0.0	0.0	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.4	1	1.2
Nitration	Abs/cm	ASTM D7624*	>20	13.1	11.4	11.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.3	23.9	24.9

DIAGNOSIS

#### Recommendation

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

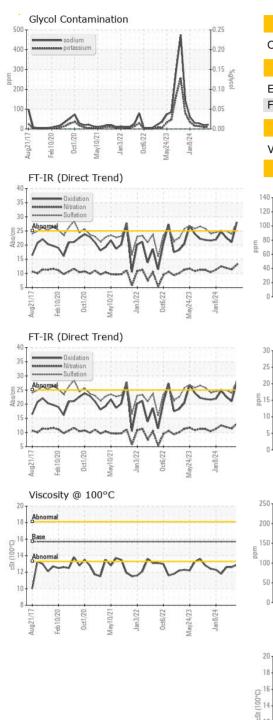
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

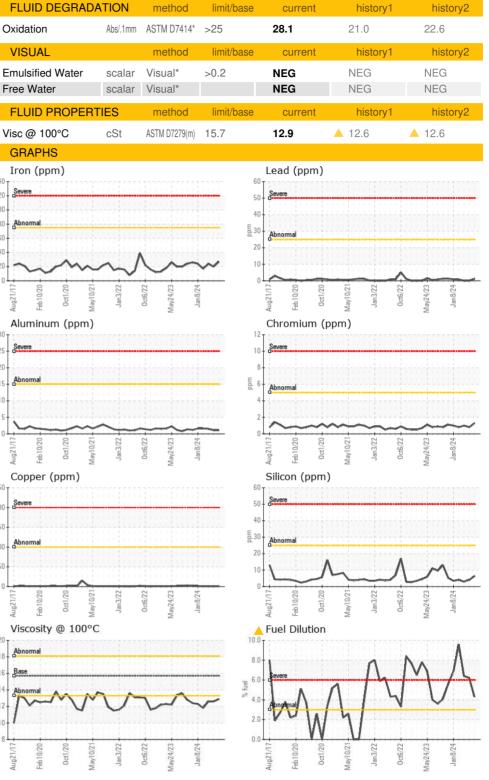
#### Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.



## **OIL ANALYSIS REPORT**





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CITY OF HAMILTON** CALA 2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM Sample No. : WC0917593 Received : 18 Jul 2024 Lab Number : 02648572 Tested : 19 Jul 2024 MOUNT HOPE, ON ISO 17025:2017 Accredited Unique Number : 5814124 Diagnosed : 21 Jul 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

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Contact/Location: Jeff Parr - HAMHAM