

## **OIL ANALYSIS REPORT**

Sample Rating Trend

## X

FUEL

## Machine Id **NEW FLYER 1003**

**Diesel Engine** Fluid

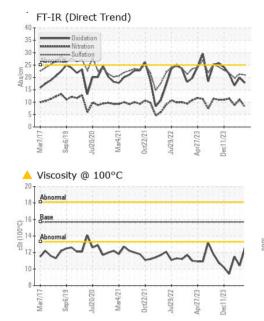
SAFETY-KLEEN PERFORMANCE PLUS XHD-7 15W40 (--- GAL)

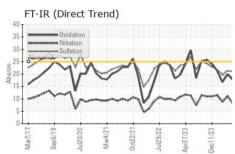
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
▲ Recommendation We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0937261	WC0917430	WC0917602
	Sample Date		Client Info		09 Jun 2024	20 Apr 2024	09 Mar 2024
	Machine Age	kms	Client Info		1091125	1083893	1074419
	Oil Age	kms	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Sample Status				SEVERE	SEVERE	SEVERE
<b>Wear</b> All component wear rates are normal.	CONTAMINATIO	ON	method	limit/base		history1	history2
Contamination	Water		WC Method	>0.2	NEG	NEG	NEG
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Glycol		WC Method		NEG	NEG	NEG
Fluid Condition	WEAR METALS		method	limit/base	current	history1	history2
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Iron	ppm	ASTM D5185(m)	>75	9	19	10
	Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
	Nickel	ppm	ASTM D5185(m)	>4	0	0	<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	1	2	2
	Lead	ppm	ASTM D5185(m)	>25	0	0	0
	Copper	ppm	ASTM D5185(m)	>100	<1	<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)		2	<1	<1
	Barium	ppm	ASTM D5185(m)		0	0	0
	Molybdenum	ppm	ASTM D5185(m)		54	51	53
	Manganese	ppm	ASTM D5185(m)		0	<1	0
	Magnesium	ppm	ASTM D5185(m)		919	828	863
	Calcium	ppm	ASTM D5185(m)		964	882	913
	Phosphorus	ppm	ASTM D5185(m)		939	837	915
	Zinc	ppm	ASTM D5185(m)		1130	1002	1072
	Sulfur	ppm	ASTM D5185(m)		2397	2066	2453
	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
	CONTAMINANT	S	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	2	2	3
	Sodium	ppm	ASTM D5185(m)		4	3	4
	Potassium	ppm	ASTM D5185(m)	>20	2	0	2
	Fuel	%	ASTM D7593*	>3.0	<b>6</b> .1	<b>1</b> 4.8	<b>1</b> 0.7
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>6	0.3	0.6	0.3
	Soot % Nitration		ASTM D7844* ASTM D7624*		0.3 8.0	0.6 11.1	0.3 8.8

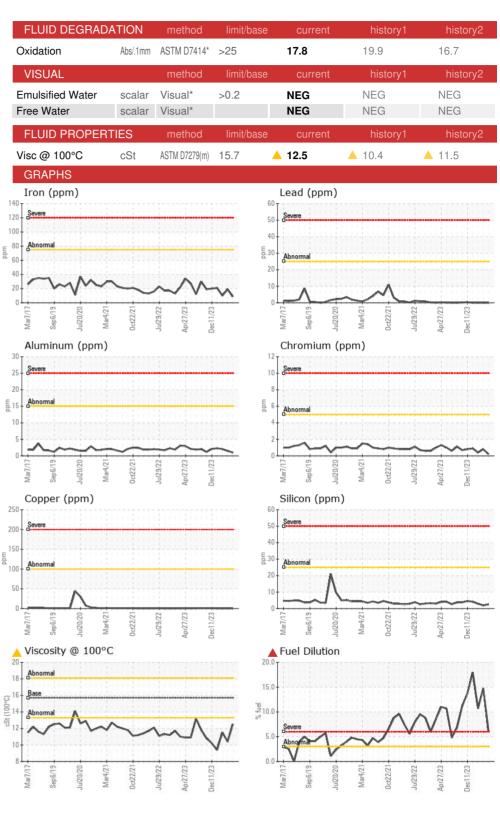




## **OIL ANALYSIS REPORT**







Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CITY OF HAMILTON** CALA 2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM Sample No. : WC0937261 Received : 12 Jun 2024 Lab Number : 02641351 Tested : 13 Jun 2024 MOUNT HOPE, ON ISO 17025:2017 Accredited Unique Number : 5798890 Diagnosed : 13 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] 02641351 (Generated: 06/13/2024 09:44:13) Rev: 1

Contact/Location: Jeff Parr - HAMHAM

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