

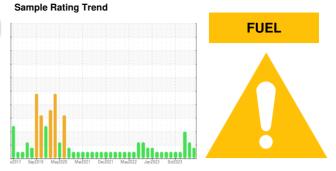
OIL ANALYSIS REPORT



Machine Id **NEW FLYER 1209**

Diesel Engine

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



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

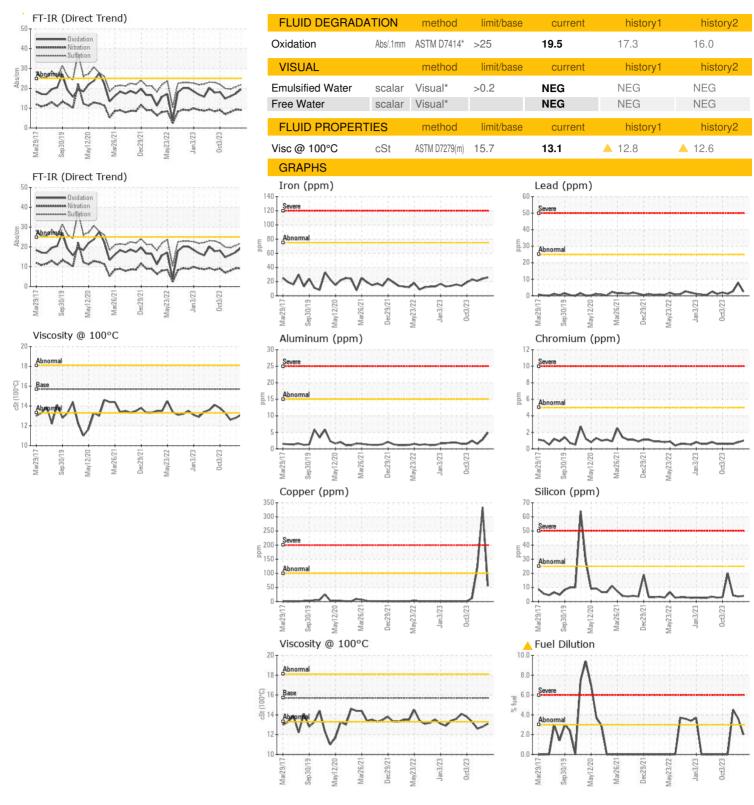
Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917429	WC0937334	WC0917620
Sample Date		Client Info		08 Jul 2024	15 May 2024	27 Mar 2024
Machine Age	kms	Client Info		869879	358309	847998
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				MARGINAL	ABNORMAL	ABNORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	26	24	21
Chromium	ppm	ASTM D5185(m)	>5	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>15	5	3	2
Lead	ppm	ASTM D5185(m)	>25	2	8	3
Copper	ppm	ASTM D5185(m)	>100	55	334	<u> </u>
Tin	ppm	ASTM D5185(m)	>4	<1	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)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		<1	<1	1
Molybdenum	ppm	ASTM D5185(m)		59	57	56
Manganese	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)		944	949	939
Calcium	ppm	ASTM D5185(m)		993	1007	993
Phosphorus	ppm	ASTM D5185(m)		925	919	942
Zinc	ppm	ASTM D5185(m)		1180	1159	1129
Sulfur	ppm	ASTM D5185(m)		2012	2027	2276
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	4	4
Sodium	ppm	ASTM D5185(m)		4	4	4
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
Fuel	%	ASTM D7593*	>3.0	<u>^</u> 2	▲ 3.6	△ 4.5
		method	limit/base	current	history1	history2
INFRA-RED						
	%	ASTM D7844*	>6	0.6	0.4	0.3
INFRA-RED Soot % Nitration	% Abs/cm		>6 >20	0.6 9.1	0.4 9.2	0.3 8.1



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02647282 Unique Number : 5812834

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: WC0917429 Received : 11 Jul 2024 **Tested** : 12 Jul 2024

Diagnosed : 12 Jul 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: PercentFuel)

To discuss this sample report, contact Customer Service at 1-800-268-2131. 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.

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