

OIL ANALYSIS REPORT

Sample Rating Trend



NEW FLYER 1007

Diesel Engine

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

SAMPLE INFORMATION method

FUEL

DIAGNOSIS

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.

Wear

All component wear rates are normal.

Contamination

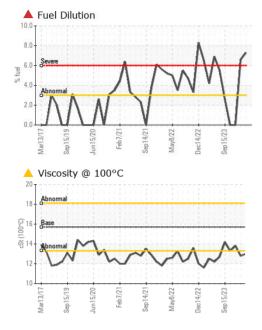
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

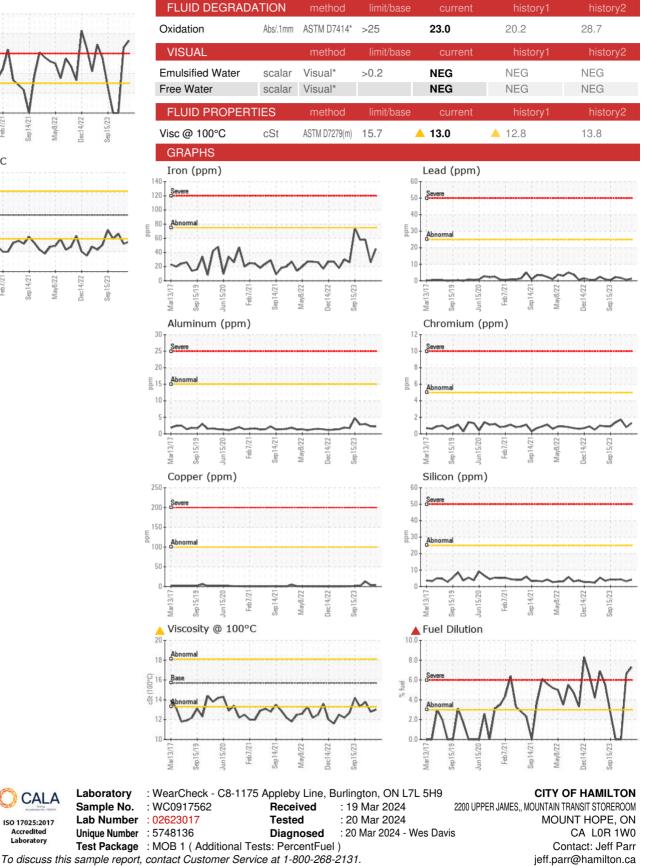
Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917562	WC0890939	WC0878166
Sample Date		Client Info		15 Mar 2024	08 Feb 2024	20 Dec 2023
Machine Age	kms	Client Info		1038274	1028492	1021088
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				SEVERE	SEVERE	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	45	26	58
Chromium	ppm	ASTM D5185(m)	>5	1	<1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<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	2	3
Lead	ppm	ASTM D5185(m)	>25	1	<1	2
Copper	ppm	ASTM D5185(m)	>100	3	4	13
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)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		63	59	62
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		930	962	989
Calcium	ppm	ASTM D5185(m)		1021	1044	1089
Phosphorus	ppm	ASTM D5185(m)		1013	976	967
Zinc	ppm	ASTM D5185(m)		1202	1170	1183
Sulfur	ppm	ASTM D5185(m)		2444	2472	2378
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	3	4
Sodium	ppm	ASTM D5185(m)		4	5	10
Potassium	ppm	ASTM D5185(m)	>20	2	3	8
Fuel	%	ASTM D7593*	>3.0	A 7.3	6 .6	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.2	0.9	1.6
Nitration	Abs/cm	ASTM D7624*	>20	12.3	11.2	14.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.9	22.9	28.3

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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.

Laboratory

Sample No.

CALA

ISO 17025:2017 Accredited

Laboratory

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