

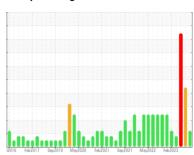
OIL ANALYSIS REPORT



NEW FLYER 1006

Component **Diesel Engine**

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



Sample Rating Trend



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. Test for glycol is negative. Tests confirm the presence of fuel in the oil.

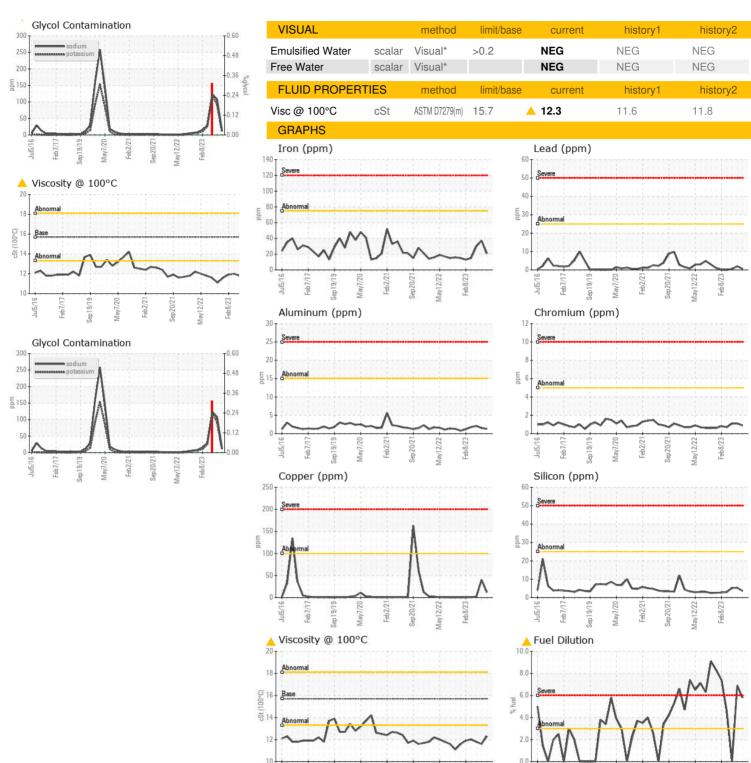
Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	MATION			Feb2021 Sep2021 May2022		histom o
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0830122	WC0791508	WC0811440
Sample Date		Client Info		05 Aug 2023	27 Jun 2023	12 May 2023
Machine Age	kms	Client Info		0	396220	387314
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	21	37	30
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	<1
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>15	1	2	2
Lead	ppm	ASTM D5185(m)	>25	<1	2	<1
Copper	ppm	ASTM D5185(m)	>100	12	40	2
Tin	ppm	ASTM D5185(m)	>4	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	5	7
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		56	67	70
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		878	860	872
Calcium	ppm	ASTM D5185(m)		940	932	942
Phosphorus	ppm	ASTM D5185(m)		899	907	1000
Zinc	ppm	ASTM D5185(m)		1058	1068	1065
Sulfur	ppm	ASTM D5185(m)		2056	1966	2344
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	5	5
Sodium	ppm	ASTM D5185(m)		14	△ 108	<u>124</u>
Potassium	ppm	ASTM D5185(m)	>20	11	<u></u> 91	<u> </u>
Fuel	%	ASTM D7593*	>3.0	5.8	6.9	<1.0
Glycol	%	ASTM D7922*		0.0	0.0	0.312
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.6	0.5	0.7
Nitration	Abs/cm	ASTM D7624*	>20	10.3	9.9	10.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.0	24.6	24.1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	26.2	25.4	21.8
Onluation	ANO/. [[[[[]]]	A011VI D/414	725	20.2	∠∪.↔	۵۱.0



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: 02575664

: WC0830122

: 5620715

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 14 Aug 2023 Diagnosed : 15 Aug 2023

Diagnostician : Kevin Marson **Test Package**: MOB 1 (Additional Tests: Glycol, 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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