

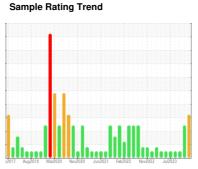
OIL ANALYSIS REPORT



NEW FLYER 1108

Component **Diesel Engine**

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





DIAGNOSIS

Recommendation

Check for low coolant level. 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. Water treatment chemicals present, indicating slow coolant leak. Tests confirm the presence of fuel in the oil. Test for glycol is negative.

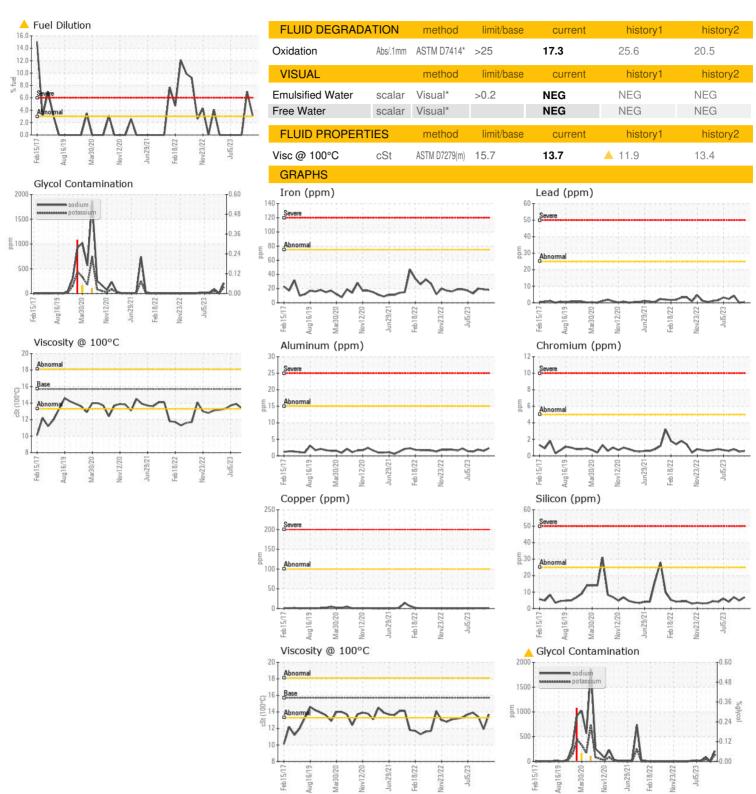
▲ Fluid Condition

The oil is no longer serviceable due to the presence of contaminants. The condition of the oil is acceptable for the time in service (see recommendation).

CAMPI E WEST			19 Mar2020 Nov2020			1.0
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0891037	WC0877893	WC0849901
Sample Date		Client Info		04 Jan 2024	22 Nov 2023	02 Oct 2023
Machine Age	kms	Client Info		843856	835344	825774
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>75	18	19	20
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	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>15	2	2	2
Lead	ppm	ASTM D5185(m)	>25	<1	0	4
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	2
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		74	56	66
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		931	896	935
Calcium	ppm	ASTM D5185(m)		1015	970	1010
Phosphorus	ppm	ASTM D5185(m)		1020	891	957
Zinc	ppm	ASTM D5185(m)		1136	1090	1154
Sulfur	ppm	ASTM D5185(m)		2607	2272	2405
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	7	5	7
Sodium	ppm	ASTM D5185(m)		212	3	92
Potassium	ppm	ASTM D5185(m)	>20	<u> </u>	1	48
-uel	%	ASTM D7593*	>3.0	<u>▲</u> 3.1	• 7	<1.0
Glycol	%	ASTM D7922*		0.0	NEG	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.1	0.4	1.3
	A.L. /	4 OTM 1 D 700 4*	00		100	10 =
Nitration	Abs/cm	ASTM D7624*	>20	10.3	10.8	10.5



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number

: WC0891037

: 02607402 : 5708488

Validity of results and interpretation are based on the sample and information as supplied.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 09 Jan 2024 Diagnosed

: 10 Jan 2024

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.

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