

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL



Area [1497067] **NEW FLYER 1105**

Component **Diesel Engine**

SAFETY-KLEEN PERFORMANCE

Sulfation

Abs/.1mm ASTM D7415* >30

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0891079	WC0878116	WC0830213
Sample Date		Client Info		11 Jan 2024	28 Nov 2023	21 Aug 2023
Aachine Age	kms	Client Info		806812	797143	776176
Dil Age	kms	Client Info		0	0	0
Dil Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
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	19	23	18
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>15	2	<1	<1
_ead	ppm	ASTM D5185(m)	>25	<1	1	<1
Copper	ppm	ASTM D5185(m)	>100	1	1	1
Fin	ppm	ASTM D5185(m)	>4	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	<1
/anadium	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	2	2
Barium	ppm	ASTM D5185(m)		0	<1	0
Volybdenum	ppm	ASTM D5185(m)		66	69	71
Manganese	ppm	ASTM D5185(m)		0	0	<1
Vagnesium	ppm	ASTM D5185(m)		899	901	947
Calcium	ppm	ASTM D5185(m)		969	969	983
Phosphorus	ppm	ASTM D5185(m)		955	945	1068
Zinc	ppm	ASTM D5185(m)		1094	1109	1162
Sulfur	ppm	ASTM D5185(m)		2545	2382	2536
₋ithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	7	7
Sodium	ppm	ASTM D5185(m)		150	1 77	1 88
Potassium	ppm	ASTM D5185(m)	>20	79	86	81
Fuel	%	ASTM D7593*	>3.0	<u> </u>	3 .9	<u> </u>
Glycol	%	ASTM D7922*		0.0	0.0	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.9	0.9	0.7
Nitration	Abs/cm	ASTM D7624*	>20	9.8	9.9	8.8
induon						

22.0

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. 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

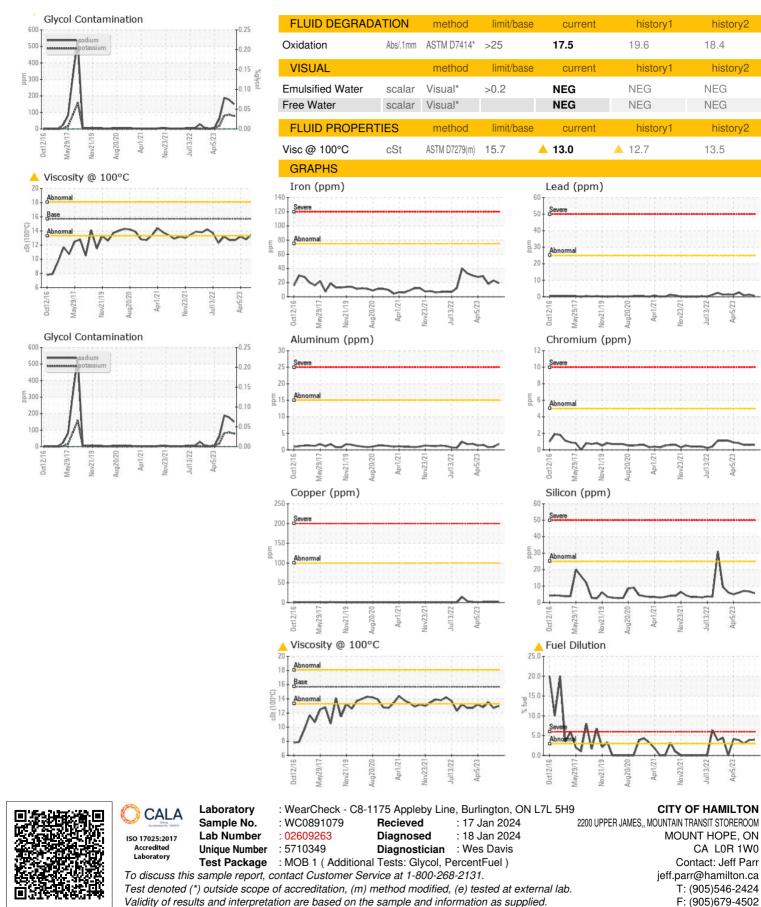
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

23.5

22.9



OIL ANALYSIS REPORT



Contact/Location: Jeff Parr - HAMHAM