

OIL ANALYSIS REPORT

Sample Rating Trend



NEW FLYER 1202 Component

Diesel Engine

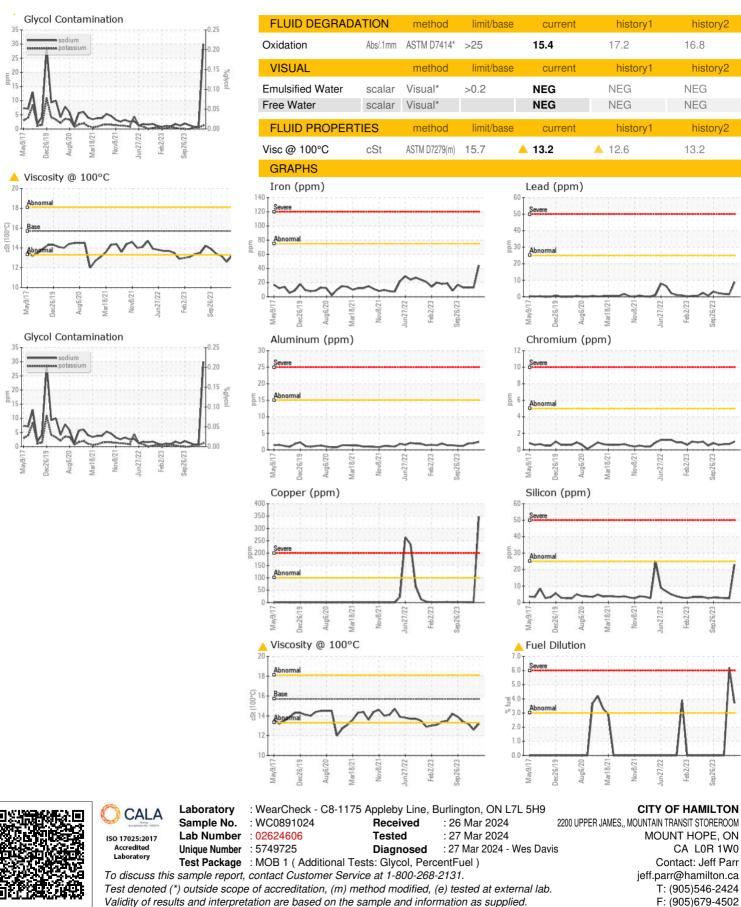
SAFETY-KLEEN PERFORMANCE PLUS XHD-7 15W40 (--- GAL)



DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
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.	Sample Number		Client Info		WC0891024	WC0891175	WC0891135
	Sample Date		Client Info		21 Mar 2024	06 Feb 2024	28 Dec 2023
	Machine Age	kms	Client Info		0	831985	824622
	Oil Age	kms	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	Changed
ear	Sample Status				ABNORMAL	SEVERE	NORMAL
component wear rates are normal.	CONTAMINATIO	N	method	limit/base	current	history1	history2
Contamination ere is a moderate amount of fuel present in the	Water		WC Method		NEG	NEG	NEG
oil. Tests confirm the presence of fuel in the oil.	WEAR METALS	i.	method	limit/base	current	history1	history2
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.	Iron	ppm	ASTM D5185(m)	>75	44	13	13
	Chromium	ppm	ASTM D5185(m)		1	<1	<1
	Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
	Titanium	ppm	ASTM D5185(m)		9	0	0
	Silver	ppm	()	>2	0	0	0
	Aluminum	ppm	ASTM D5185(m)		2	2	2
	Lead	ppm	ASTM D5185(m)	>25	9	2	2
	Copper	ppm	ASTM D5185(m)		347	<1	1
	Tin	ppm	()	>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)		12	0	0
	Molybdenum	ppm	ASTM D5185(m)		56	55	59
	Manganese	ppm	ASTM D5185(m)		4	0	0
	Magnesium	ppm	ASTM D5185(m)		893	900	955
	Calcium	ppm	ASTM D5185(m)		914	968	1021
	Phosphorus	ppm	ASTM D5185(m)		947	946	1001
	Zinc	ppm	ASTM D5185(m)		1114	1103	1178
	Sulfur	ppm	ASTM D5185(m)		2283	2508	2656
	Lithium	ppm	ASTM D5185(m)		3	<1	<1
	CONTAMINANT	S	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	23	2	3
	Sodium	ppm	ASTM D5185(m)		30	<1	<1
	Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
	Fuel	%	ASTM D7593*	>3.0	A 3.7	6 .2	<1.0
	Glycol	%	ASTM D7922*		0.0	NEG	NEG
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>6	0.5	0.7	0.7
	Nitration	Abs/cm	ASTM D7624*	>20	8.1	9.4	8.8
	Sulfation		ASTM D7415*		19.9	20.9	20.7



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