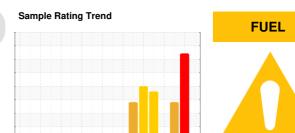


OIL ANALYSIS REPORT



Machine Id 8426

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (--- LTR)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

Metal levels are typical for a new component breaking in.

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.

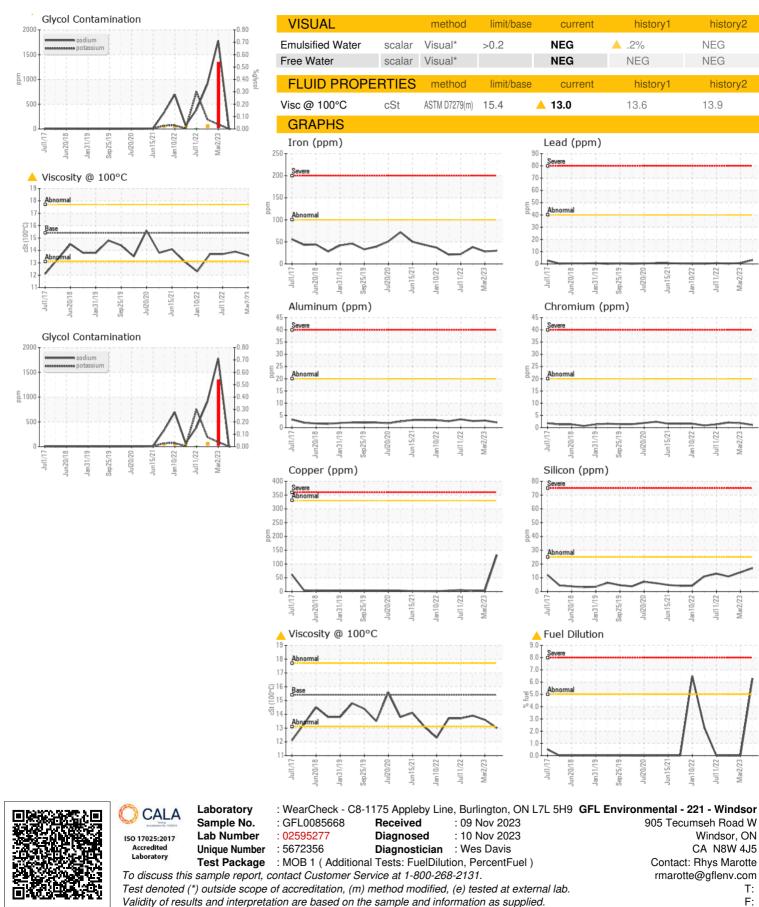
Fluid Condition

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	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085668	GFL0059840	GFL0059890
Sample Date		Client Info		06 Nov 2023	02 Mar 2023	16 Nov 2022
Machine Age	nrs	Client Info		540	0	0
Oil Age	nrs	Client Info		540	0	560
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185(m)	>100	30	28	38
	pm	ASTM D5185(m)	>20	1	2	2
	opm	ASTM D5185(m)	>4	<1	<1	<1
	pm	ASTM D5185(m)		0	<1	<1
	pm	ASTM D5185(m)	>3	<1	0	0
	pm	ASTM D5185(m)	>20	2	3	3
	opm	ASTM D5185(m)	>40	3	<1	<1
	opm	ASTM D5185(m)	>330	133	3	2
	opm	ASTM D5185(m)	>15	0	<1	<1
	opm	ASTM D5185(m)		0	<1	0
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)		0	0	0
,	opm	ASTM D5185(m)		0	0	0
ADDITIVES	pin	()	line it /le e e e			-
		method	limit/base	current	history1	history2
	opm	ASTM D5185(m)	0	20 10	7 0	2
	opm	ASTM D5185(m)	60	44	50	62
	opm	ASTM D5185(m)			<1	<1
-	opm	ASTM D5185(m)	0	3 714		807
	opm	ASTM D5185(m)	1010		791	
	opm	ASTM D5185(m)	1070	1128	957	1034
	opm	ASTM D5185(m)	1150	585	877	844
	opm	. ,	1270	776	1012	1068
	opm	ASTM D5185(m)	2060	1626	2275	2376
	opm	ASTM D5185(m)		<1	<1	<1
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185(m)	>25	17	14	11
	opm	ASTM D5185(m)		13	<u>▲</u> 1780	9 03
	opm	ASTM D5185(m)	>20	5	<mark>▲</mark> 92	1 93
	%	ASTM D7593*	>5	<mark>人</mark> 6.3	<1.0	<1.0
Glycol	%	ASTM D7922*		0.0	0.538	▲ 0.035
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	0.3	0.5
Nitration A	Abs/cm	ASTM D7624*	>20	11.4	19.3	15.0
		ASTM D7415*	>30	21.7	24.6	26.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
		ASTM D7414*	>25	22.1	21.6	23.6



OIL ANALYSIS REPORT



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