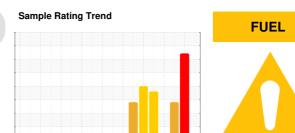


# **OIL ANALYSIS REPORT**



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.

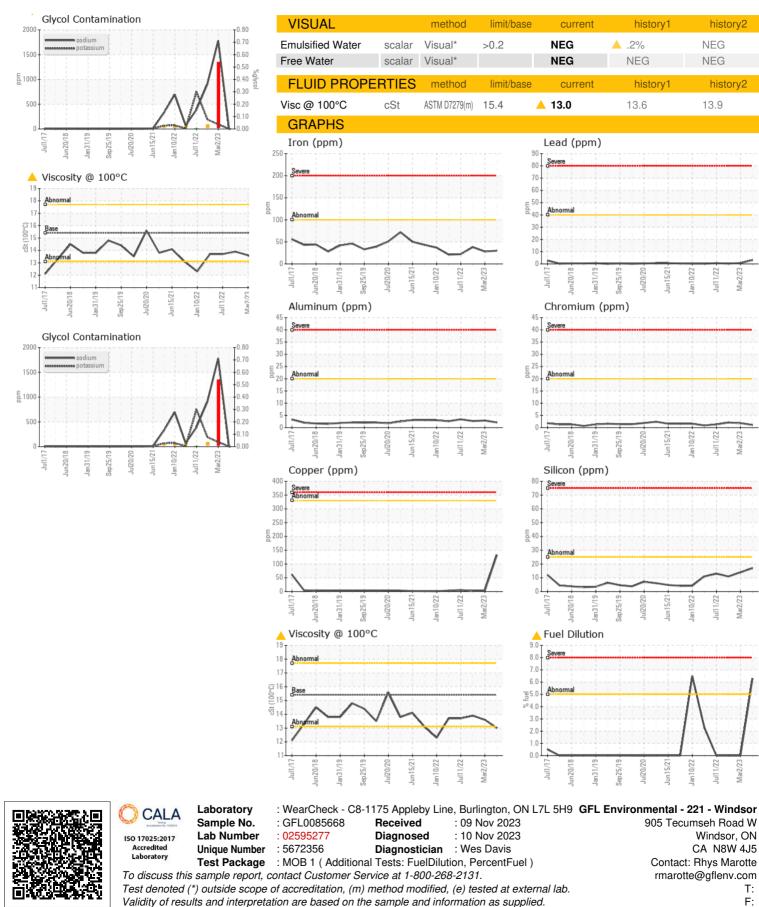
## Fluid Condition

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	<b>9</b> 03
	opm	ASTM D5185(m)	>20	5	<mark>▲</mark> 92	<b>1</b> 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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Submitted By: Rhys Marotte Page 2 of 2

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