

OIL ANALYSIS REPORT

Sample Rating Trend

eelleeeeele



Machine Id 9973

Elui

Component Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. 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 high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

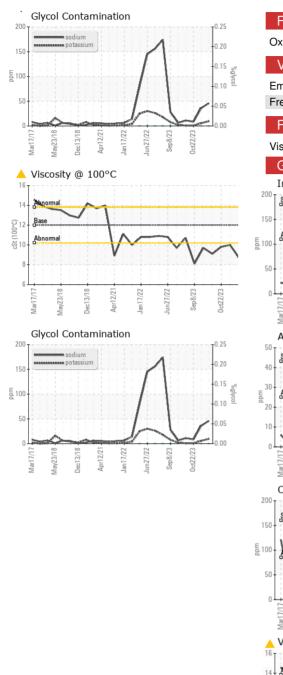
Fluid Condition

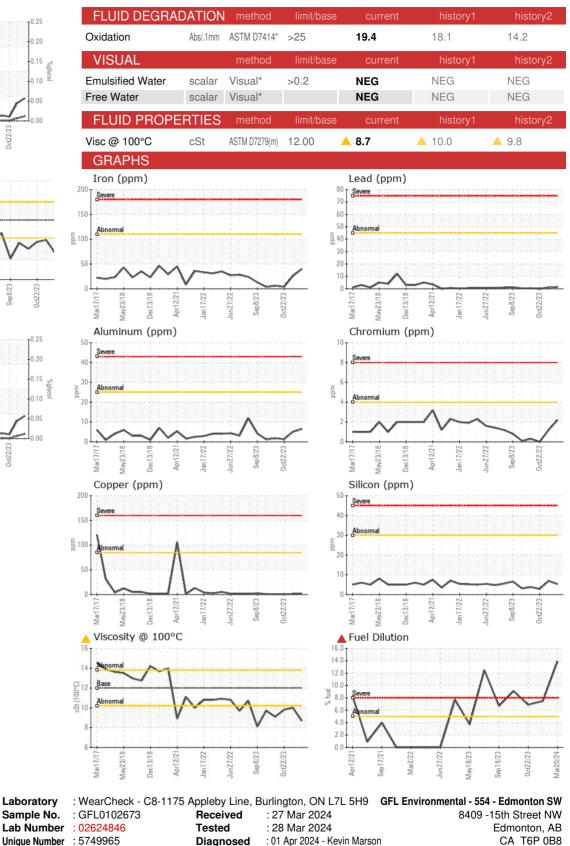
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0102673	GFL0102644	GFL0093885
Sample Date		Client Info		20 Mar 2024	07 Jan 2024	22 Oct 2023
Machine Age	hrs	Client Info		29231	28678	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMAL
CONTAMINAT	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS method limit/base current history1 history2						history2
Iron	ppm	ASTM D5185(m)	>110	40	26	4
Chromium	ppm	ASTM D5185(m)	>4	2	1	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	6	5	1
Lead	ppm	ASTM D5185(m)	>45	1	<1	0
Copper	ppm	ASTM D5185(m)	>85	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	2	5	7
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	50	56	56
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	950	788	853	881
Calcium	ppm	ASTM D5185(m)	1050	858	965	979
Phosphorus	ppm	ASTM D5185(m)	995	798	910	937
Zinc	ppm	ASTM D5185(m)	1180	960	1061	1088
Sulfur	ppm	ASTM D5185(m)	2600	1999	2437	2422
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	5	7	3
Sodium	ppm	ASTM D5185(m)		46	36	8
Potassium	ppm	ASTM D5185(m)	>20	9	6	<1
Fuel	%	ASTM D7593*	>5	1 3.9	▲ 7.5	6 .9
Glycol	%	ASTM D7922*		0.0	0.0	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1.2	0.6	0.1
Nitration	Abs/cm	ASTM D7624*	>20	11.7	10.5	5.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.4	21.0	18.4



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

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Laboratory

Sample No.

Report Id: GFL554 [WCAMIS] 02624846 (Generated: 04/01/2024 08:22:34) Rev: 1

CALA

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