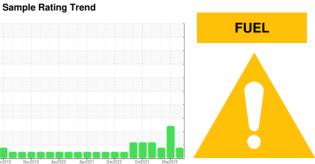


# **OIL ANALYSIS REPORT**





Machine Id 801047 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (19 LTR)

### **DIAGNOSIS**

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

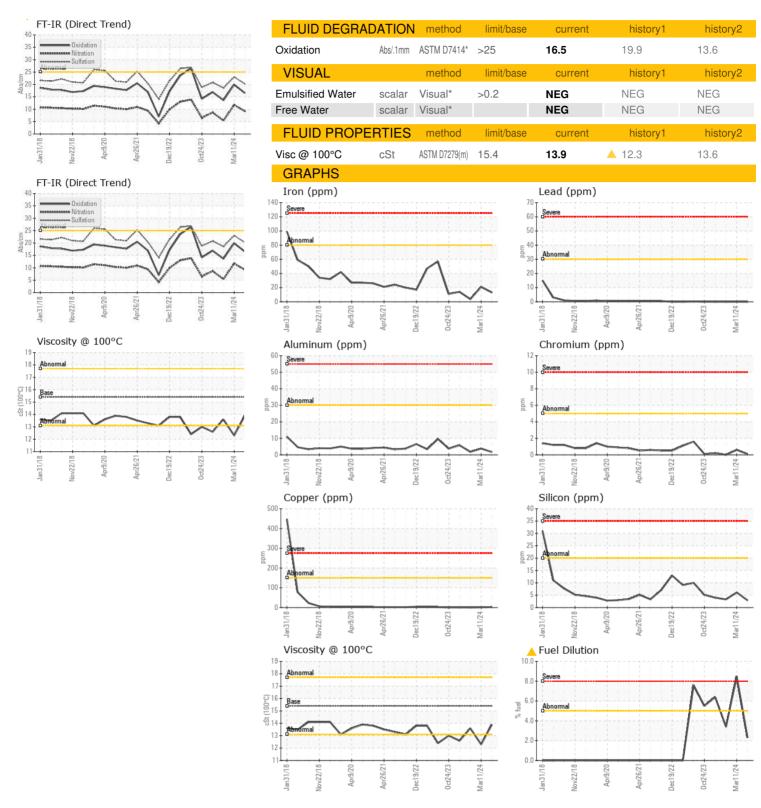
### **Fluid Condition**

The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117872	GFL0111727	WC0875082
Sample Date		Client Info		02 May 2024	11 Mar 2024	22 Nov 2023
Machine Age	kms	Client Info		674167	10256	9850
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				MARGINAL	SEVERE	MARGINAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>80	13	21	4
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Fitanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	2	4	2
_ead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>150	2	1	<1
Γin	ppm	ASTM D5185(m)	>5	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
/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)	0	8	18	37
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	57	55	58
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	890	795	871
Calcium	ppm	ASTM D5185(m)	1070	1012	948	1024
Phosphorus	ppm	ASTM D5185(m)	1150	954	845	957
Zinc	ppm	ASTM D5185(m)	1270	1136	1029	1143
Sulfur	ppm	ASTM D5185(m)	2060	2426	2315	2538
_ithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	3	6	3
Sodium	ppm	ASTM D5185(m)		5	6	3
Potassium	ppm	ASTM D5185(m)	>20	2	4	1
Fuel	%	ASTM D7593*	>5	<u>^</u> 2.3	▲ 8.5	▲ 3.4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	0.6	0
Vitration	Abs/cm	ASTM D7624*	>20	9.2	11.7	5.4
viitation	ADS/CITI	70 1 M D 7 0 2 4	>20	3.2	11.7	5.4



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

Lab Number : 02633412 Unique Number : 5774565

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : GFL0117872

Received **Tested** 

: 06 May 2024 : 07 May 2024

Diagnosed : 07 May 2024 - Wes Davis

Test Package : MOB 1 ( Additional Tests: 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.

GFL Environmental - 217 - Aurora

14131 BAYVIEW AVE, AURORA YARD AURORA, ON CA L4G 0K6

Contact: Mike Havens MHavens@gflenv.com T:

F: (905)713-2445

Submitted By: Scott Ewan