

# **OIL ANALYSIS REPORT**

Sample Rating Trend





Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (36 LTR)





### DIAGNOSIS Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

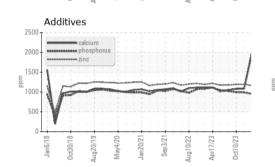
Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

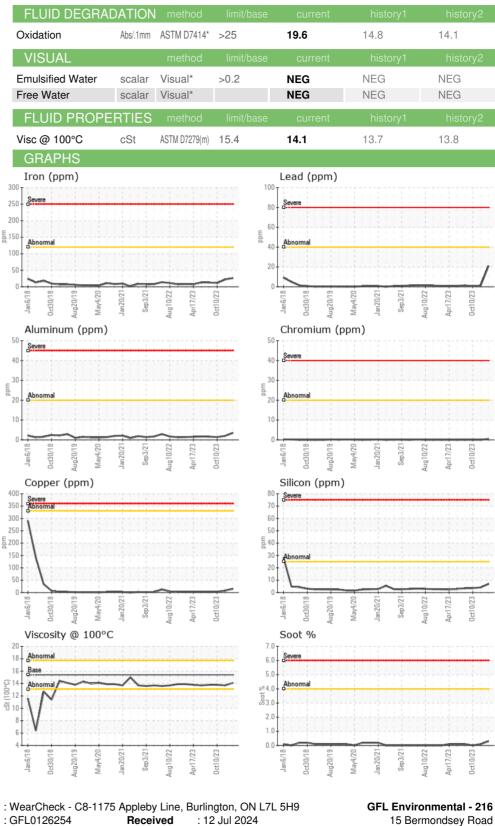
SAMPLE INFOR		metrioa	iinii/base	current	riistory i	riistory2
Sample Number		Client Info		GFL0126254	GFL0097527	GFL0097554
Sample Date		Client Info		09 Jul 2024	16 Dec 2023	10 Oct 2023
Machine Age	hrs	Client Info		17516	16337	15771
Oil Age	hrs	Client Info		1177	566	284
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
-						
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	26	22	11
Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
Nickel	ppm	ASTM D5185(m)	>15	<1	0	0
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)		4	2	1
Lead	ppm	ASTM D5185(m)	>40	21	1	<1
Copper	ppm	ASTM D5185(m)		15	7	3
Tin	ppm	ASTM D5185(m)	>15	<1	<1	0
Antimony	ppm	ASTM D5185(m)		1	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	le le	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	16	6	7
Barium	ppm	ASTM D5185(m)	0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	60	13	60	60
Manganese	ppm	ASTM D5185(m)	0	1	<1	0
Magnesium	ppm	ASTM D5185(m)	1010	161	973	971
Calcium	ppm	ASTM D5185(m)	1070	1980	1084	1078
Phosphorus	ppm	ASTM D5185(m)	1150	951	991	996
Zinc	ppm	ASTM D5185(m)	1270	1165	1194	1189
Sulfur	ppm	ASTM D5185(m)	2060	2917	2525	2565
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	7	4	4
Sodium	ppm	ASTM D5185(m)		13	3	3
Potassium	ppm	ASTM D5185(m)	>20	3	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.3	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	10.2	6.8	5.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.8	18.8	18.5



# **OIL ANALYSIS REPORT**







Laboratory : WearCheck - C8-1175 Sample No. : GFL0126254 Lab Number : 02647614 Unique Number : 5813166 Test Package : MOB 1 sample report, contact Customer Servic ) outside scope of accreditation, (m) me

ppleby Line, Burlington, ON L7L 5H9 Received : 12 Jul 2024 Tested : 12 Jul 2024 Diagnosed : 12 Jul 2024 - Wes Davis

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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CALA

ISO 17025:2017 Accredited Laboratory

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