

## **OIL ANALYSIS REPORT**

Sample Rating Trend



#### Machine Id 401103 Component

#### Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

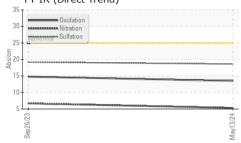
The condition of the oil is acceptable for the time in service.

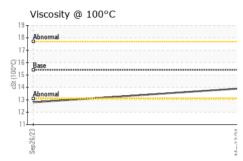
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0096839	GFL0084117	
Sample Date		Client Info		13 May 2024	26 Sep 2023	
Machine Age	kms	Client Info		0	1179168	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				NORMAL	MARGINAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	2.9	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	13	34	
Chromium	ppm	ASTM D5185(m)	>20	0	1	
Nickel	ppm	ASTM D5185(m)	>4	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>3	0	<1	
Aluminum	ppm	ASTM D5185(m)	>20	<1	2	
Lead	ppm	ASTM D5185(m)	>40	1	2	
Copper	ppm	ASTM D5185(m)	>330	<1	1	
Tin	ppm	ASTM D5185(m)	>15	0	<1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	3	4	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	60	58	61	
Manganese	ppm	ASTM D5185(m)	0	<1	<1	
Magnesium	ppm	ASTM D5185(m)	1010	959	983	
Calcium	ppm	ASTM D5185(m)	1070	1021	1081	
Phosphorus	ppm	ASTM D5185(m)	1150	1007	1034	
Zinc	ppm	ASTM D5185(m)	1270	1176	1221	
Sulfur	ppm	ASTM D5185(m)	2060	2569	2663	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	6	
Sodium	ppm	ASTM D5185(m)		3	4	
Potassium	ppm	ASTM D5185(m)	>20	<1	3	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.1	0.5	
Nitration	Abs/cm	ASTM D7624*	>20	5.3	6.7	
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.6	19.2	

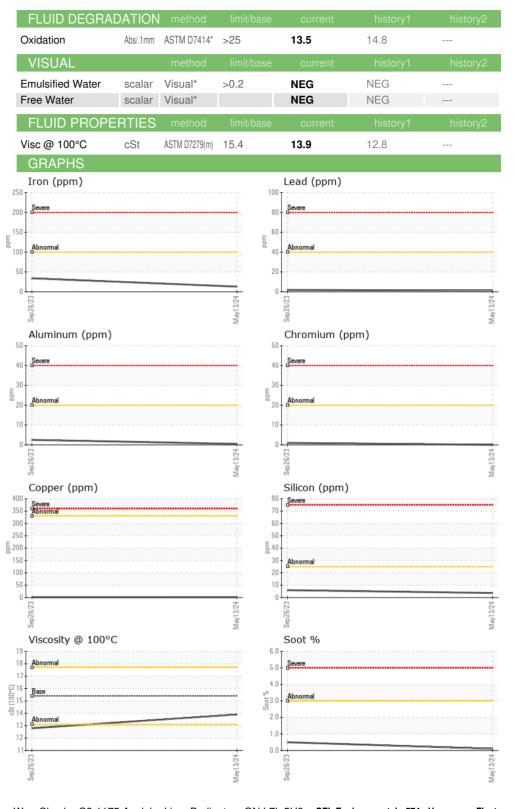


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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 574 - Vancouver Fleet CALA Sample No. : GFL0096839 Received : 22 May 2024 70 Golden Drive, Lab Number : 02636871 Tested : 22 May 2024 Coquitlam, BC ISO 17025:2017 Accredited Laboratory Unique Number : 5786033 Diagnosed : 22 May 2024 - Wes Davis CA V3K 6B5 Test Package : MOB 1 Contact: Gary Ewasiuk To discuss this sample report, contact Customer Service at 1-800-268-2131. gewasiuk@gflenv.com Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Т: Validity of results and interpretation are based on the sample and information as supplied. F:

Report Id: GFL574 [WCAMIS] 02636871 (Generated: 05/22/2024 12:28:50) Rev: 1

Contact/Location: Gary Ewasiuk - GFL574 Page 2 of 2