

OIL ANALYSIS REPORT

Sample Rating Trend



Component Diesel Engine Fluid

Area [1240714]

829004

PETRO CANADA DURON SHP 15W40 (--- GAL)

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0093967	GFL0093947	GFL0093932
Sample Date		Client Info		12 Mar 2024	20 Dec 2023	24 Sep 2023
Machine Age	hrs	Client Info		9813	9333	8792
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				MARGINAL	ABNORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAI	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>80	11	10	14
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	3	3	4
Lead	ppm	ASTM D5185(m)	>30	0	0	<1
Copper	ppm	ASTM D5185(m)	>150	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>5	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	ppin		limit/base			-
		method		current	history1	history2
Boron	ppm	ASTM D5185(m)	0	6	7	6
Barium	ppm	ASTM D5185(m)	0	0	0	0
Volybdenum	ppm	ASTM D5185(m)	60	57	57	58
Vanganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	1010	905	901	909
Calcium	ppm	ASTM D5185(m)	1070	1079	1110	1033
Phosphorus	ppm	ASTM D5185(m)	1150	922	980	941
Zinc	ppm	ASTM D5185(m)	1270	1124	1128	1140
Sulfur	ppm	ASTM D5185(m)	2060	2326	2645	2405
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	2	3	4
Sodium	ppm	ASTM D5185(m)		6	5	7
Potassium	ppm	ASTM D5185(m)	>20	2	4	8
Fuel	%	ASTM D7593*	>5	<mark>/</mark> 2.5	2 .8	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.2	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.1	8.5	8.9

DIAGNOSIS

A Recommendation

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

Wear

All component wear rates are normal.

Contamination

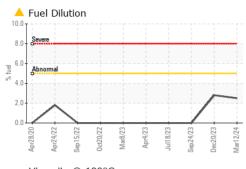
Light fuel dilution occurring. No other contaminants were detected in the oil.

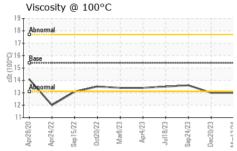
Fluid Condition

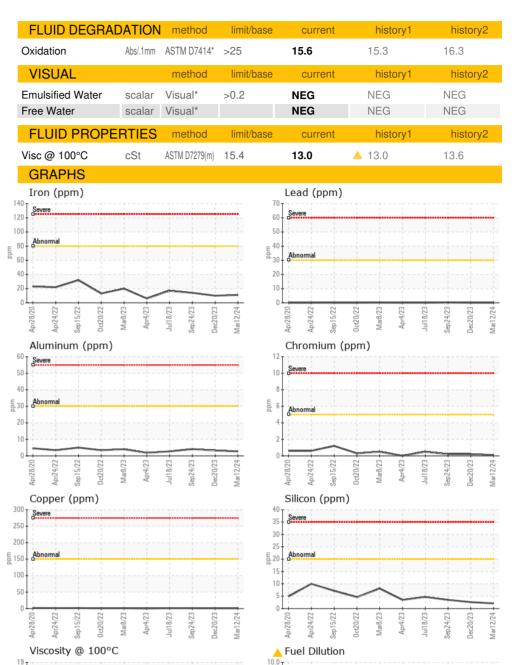
The condition of the oil is acceptable for the time in service.



OIL ANALYSIS REPORT







8.0

6.

0.0

nr28/

Mar12/24

en24/23

Jar 20/73

Ab 4.0 2.0

en15/77

or24/22

% fuel



Sample No. : GFL0093967 Received : 25 Mar 2024 Lab Number : 02624131 Tested : 26 Mar 2024 ISO 17025:2017 Accredited Laboratory : 26 Mar 2024 - Kevin Marson Unique Number : 5749250 Diagnosed Test Package : MOB 1 (Additional Tests: FUELDILUTION, 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.

nr4/73

/lar8/23

18

17

0-001) 15 14

12

Laboratory

Anr/28/20

or/4/77 en15/77

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 777 - Belleville-Municipal waste 197 Putman Industrial Road Belleville, ON CA K8N 4Z6 Contact: Andrea Michael amichael@gflenv.com T: (613)962-7144 F: (613)962-1994

sp24/23

CALA

Mar12/24