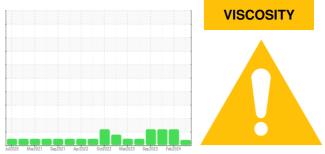


OIL ANALYSIS REPORT

Sample Rating Trend



925008 Component Diesel Engine Fluid

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

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history
Sample Number		Client Info		GFL0113240	GFL0102849	GFL009732
Sample Date		Client Info		18 Apr 2024	08 Feb 2024	14 Nov 202
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		17137	16665	16081
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMA
CONTAMINA	TION	method	limit/base	current	history1	history
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history
Iron	ppm	ASTM D5185(m)	>120	13	11	11
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)		<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
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	PP	method	limit/base	current	history1	history
Boron	ppm	ASTM D5185(m)	0	39	35	39
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	39	47	40
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	475	479	485
Calcium	ppm	ASTM D5185(m)	1070	1609	1692	1622
Phosphorus	ppm	ASTM D5185(m)	1150	694	705	694
Zinc	ppm	ASTM D5185(m)	1270	822	840	830
Sulfur	ppm	ASTM D5185(m)	2060	1975	2132	1940
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history
Silicon	ppm	ASTM D5185(m)	>25	3	3	1
Sodium	ppm	ASTM D5185(m)		2	2	2
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
Fuel	%	ASTM D7593*	>3.0	2.3	▲ 3.1	▲ 3.4
INFRA-RED		method	limit/base	current	history1	history
Soot %	%	ASTM D7844*	>4	0	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	8.3	9.4	7.7

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Machine Id

Wear

All component wear rates are normal.

Contamination

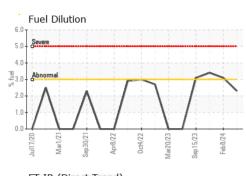
Light fuel dilution occurring. No other contaminants were detected in the oil.

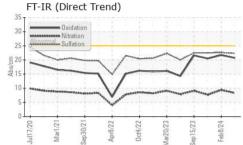
Fluid Condition

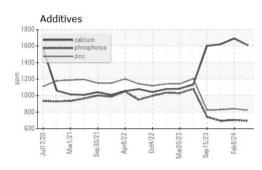
Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

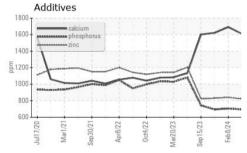


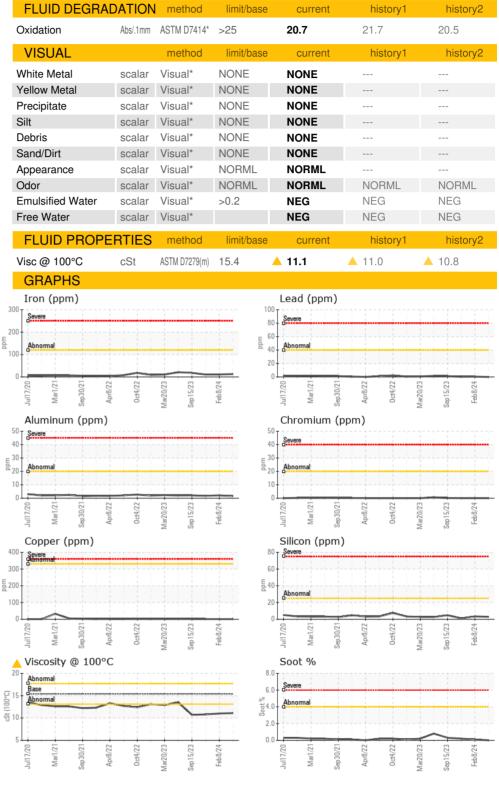
OIL ANALYSIS REPORT











Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 246 - Windsor CALA Sample No. : GFL0113240 Received : 23 Apr 2024 2700 Deziel Dr Lab Number : 02630881 Tested : 24 Apr 2024 Windsor, ON ISO 17025:2017 Accredited Unique Number : 5772034 Diagnosed : 24 Apr 2024 - Kevin Marson CA N8W 5H8 Laboratory Test Package : MOB 1 (Additional Tests: PercentFuel, Visual) Contact: Dave Varga To discuss this sample report, contact Customer Service at 1-800-268-2131. dvarga@gflenv.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (519)944-8009 Validity of results and interpretation are based on the sample and information as supplied. E:

Report Id: GFL246 [WCAMIS] 02630881 (Generated: 04/24/2024 11:33:03) Rev: 1

Submitted By: Dave Varga Page 2 of 2