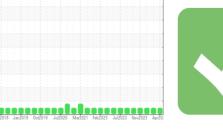


# **OIL ANALYSIS REPORT**







	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0118017	GFL0112378	GFL0107176
val to monitor.	Sample Date		Client Info		18 Apr 2024	21 Feb 2024	30 Jan 2024
	Machine Age	hrs	Client Info		1023	469	307
nal.	Oil Age	hrs	Client Info		554	514	0
	Oil Changed		Client Info		Changed	Changed	N/A
ination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINAT	ION	method	limit/base	current	history1	history2
suitable	Fuel		WC Method	>5	<1.0	<1.0	<1.0
ndition of the	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 D5185m	>100	11	14	10
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
	Nickel	ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	10	1	1
	Lead	ppm	ASTM D5185m	>40	<1	2	<1
	Copper	ppm	ASTM D5185m	>330	<1	2	<1
	Tin	ppm	ASTM D5185m	>15	<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	5	8	4
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	65	60	57
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	918	834	828
	Calcium	ppm	ASTM D5185m	1070	1120	1077	986
	Phosphorus	ppm	ASTM D5185m	1150	1007	959	967
	Zinc	ppm	ASTM D5185m	1270	1175	1125	1147
	Sulfur	ppm	ASTM D5185m	2060	3431	2617	2761
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	4	4
	Sodium	ppm	ASTM D5185m		<1	3	1
	Potassium	ppm	ASTM D5185m	>20	17	0	1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.6	0.9	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	7.3	10.3	8.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	20.0	18.5
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Ovidation	Abs/.1mm	*ASTM D7414	>25	13.4	17.3	15.3
	Oxidation	AUS/.111111	A311VI D7414	220	13.4	17.0	10.0

### Machine Id 10699

# Diesel Engine Fluid

## PETRO CANADA DURON SHP 15W40 (5 GAL)

## DIAGNOSIS

#### Recommendation

Resample at the next service interview

#### Wear

All component wear rates are norm

#### Contamination

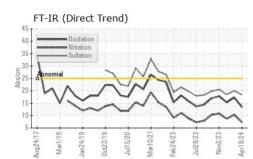
There is no indication of any contain oil.

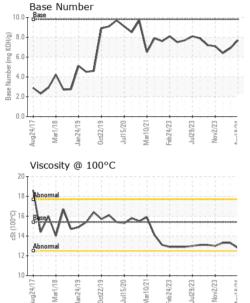
#### Fluid Condition

The BN result indicates that there is alkalinity remaining in the oil. The c oil is suitable for further service.



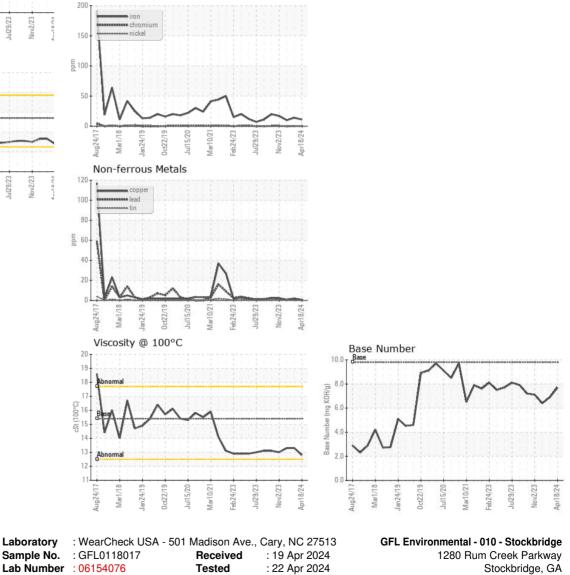
# **OIL ANALYSIS REPORT**





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.8	13.3	13.3
GRAPHS						

Ferrous Alloys





Unique Number : 10989499 Diagnosed : 22 Apr 2024 - Wes Davis Test Package : FLEET Contact: JOSHUA TINKER Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. joshuatinker@gflenv.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL010 [WUSCAR] 06154076 (Generated: 04/22/2024 11:57:13) Rev: 1

Submitted By: JOSHUA TINKER Page 2 of 2

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