

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





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•	- GAL)		p2020 Jun2	021 Feb2022 Oct2022	Jan2023 Mar2023 May2023	Jul2023	
	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0106103	GFL0082066	GFL008612
nitor.	Sample Date		Client Info		27 Dec 2023	22 Aug 2023	10 Jul 2023
	Machine Age	hrs	Client Info		10635	10048	9966
	Oil Age	hrs	Client Info		600	559	996
	Oil Changed		Client Info		Changed	Changed	Not Changd
the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINAT	ION	method	limit/base	current	history1	history2
	Fuel		WC Method	>5	<1.0	<1.0	<1.0
f 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	9	28	16
	Chromium	ppm	ASTM D5185m	>20	<1	2	1
	Nickel	ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	10	4
	Lead	ppm	ASTM D5185m	>40	0	0	0
	Copper	ppm	ASTM D5185m	>330	0	<1	<1
	Tin	ppm	ASTM D5185m	>15	1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	14	8	9
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	54	62	62
	Manganese	ppm	ASTM D5185m	0	0	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	879	751	739
	Calcium	ppm	ASTM D5185m	1070	1036	1128	1135
	Phosphorus	ppm	ASTM D5185m	1150	1055	888	909
	Zinc	ppm	ASTM D5185m	1270	1243	1143	1109
	Sulfur	ppm	ASTM D5185m	2060	3283	3238	3152
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	2	4	3
	Sodium	ppm	ASTM D5185m		0	1	2
	Potassium	ppm	ASTM D5185m	>20	3	12	3
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.4	1	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	5.9	9.3	8.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	21.0	19.5
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.3	13.9	13.8

Machine Id 910024

Component **Diesel Engine** Fluid

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

DIAGNOSIS

Recommendation

Resample at the next service interval to n

Wear

All component wear rates are normal.

Contamination

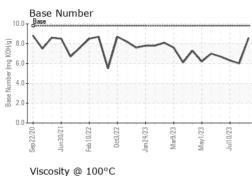
There is no indication of any contamination oil.

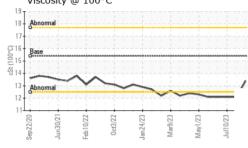
Fluid Condition

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

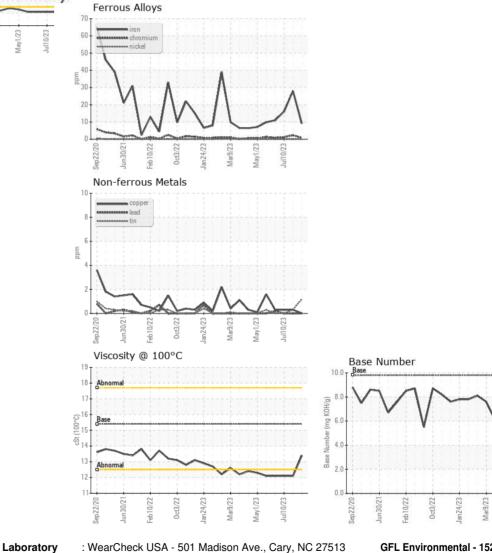


OIL ANALYSIS REPORT





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	13.4	12.1	12.1
GRAPHS						



: 28 Dec 2023

: 29 Dec 2023



 Certificate 12367
 Test Package
 : FLEET
 Cor

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 *
 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)

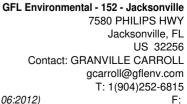
Recieved

Diagnosed

Diagnostician : Wes Davis

: GFL0106103

: 06047161 : 10807769



May1/23

Sample No.

Lab Number

Unique Number

Submitted By: TECHNICIAN ACCOUNT