



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(MC11536) GFL902
Machine Id
926024
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0108492	GFL0059609	---
Sample Date		Client Info		06 Feb 2024	24 Oct 2022	---
Machine Age	mls	Client Info		0	35117	---
Oil Age	mls	Client Info		0	600	---
Filter Age	mls	Client Info		0	600	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	2	32	---
Chromium	ppm	ASTM D5185m	>4	0	1	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m	>2	0	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>15	<1	7	---
Lead	ppm	ASTM D5185m	>50	0	1	---
Copper	ppm	ASTM D5185m	>55	0	1	---
Tin	ppm	ASTM D5185m	>4	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

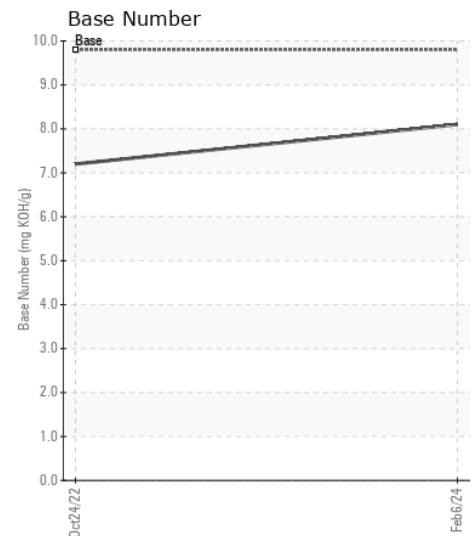
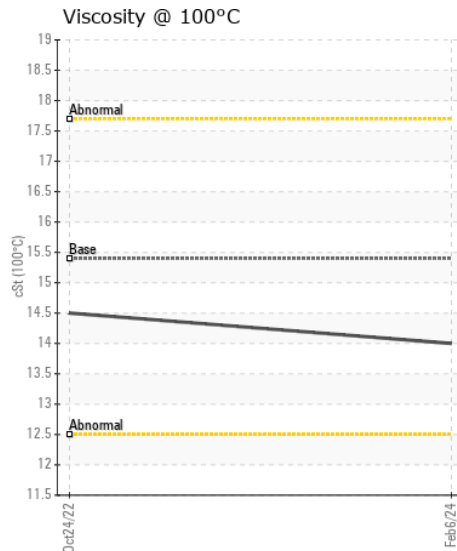
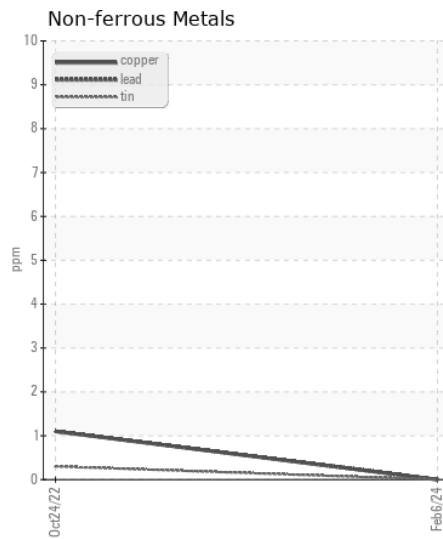
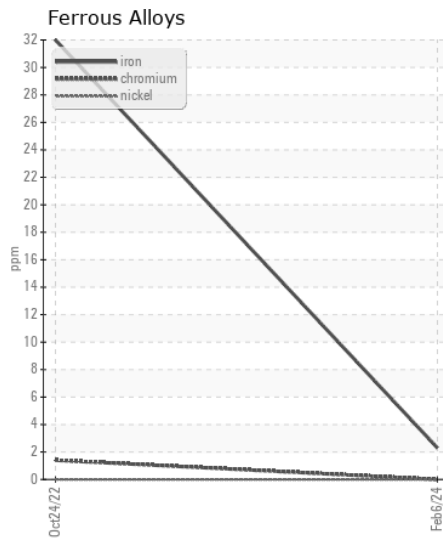
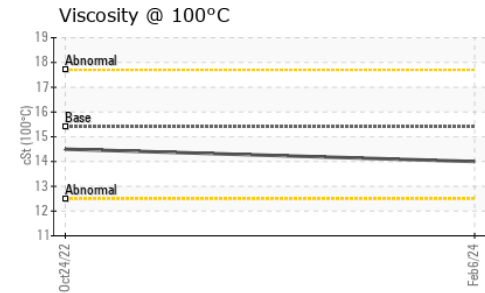
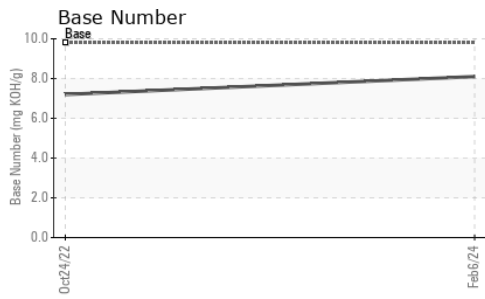
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>15	2	8	---
Potassium	ppm	ASTM D5185m	>20	<1	14	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.1	0.6	---
Nitration	Abs/cm	*ASTM D7624	>20	5.9	13.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	26.7	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	3	---
Boron	ppm	ASTM D5185m	0	3	27	---
Barium	ppm	ASTM D5185m	0	0	<1	---
Molybdenum	ppm	ASTM D5185m	60	54	44	---
Manganese	ppm	ASTM D5185m	0	0	<1	---
Magnesium	ppm	ASTM D5185m	1010	984	575	---
Calcium	ppm	ASTM D5185m	1070	1087	1626	---
Phosphorus	ppm	ASTM D5185m	1150	1057	797	---
Zinc	ppm	ASTM D5185m	1270	1227	984	---
Sulfur	ppm	ASTM D5185m	2060	3211	2755	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	28.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1	7.2	---
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0108492
Lab Number : 06085650
Unique Number : 10873095
Test Package : FLEET

Received : 12 Feb 2024
Tested : 12 Feb 2024
Diagnosed : 12 Feb 2024 - Wes Davis

GFL Environmental - 904 - Chippewa Falls HC
 11888 & 11863 30th Avenue
 Chippewa Falls, WI
 US 54729
 Contact: Andy Kane

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)

T: (715)202-3420

F: