



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(P875192) YARD UNIT/STORAGE TRAILER
Machine Id
834042
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (28 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0124438	GFL0109579	---
Sample Date		Client Info		09 Jul 2024	23 May 2024	---
Machine Age	hrs	Client Info		1253	974	---
Oil Age	hrs	Client Info		974	974	---
Filter Age	hrs	Client Info		974	974	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	45	50	---
Chromium	ppm	ASTM D5185m	>4	2	1	---
Nickel	ppm	ASTM D5185m	>2	2	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>9	7	5	---
Lead	ppm	ASTM D5185m	>30	4	3	---
Copper	ppm	ASTM D5185m	>35	15	15	---
Tin	ppm	ASTM D5185m	>4	2	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

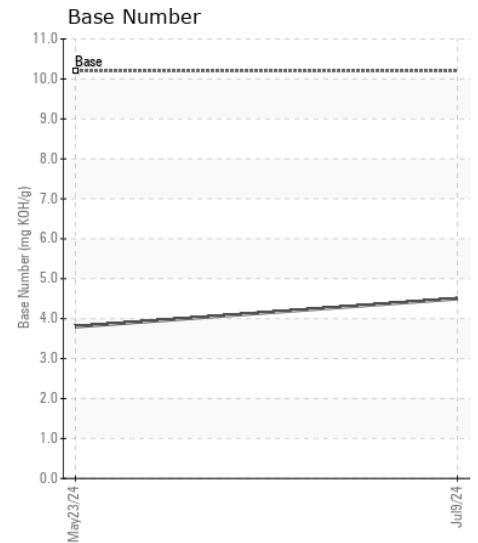
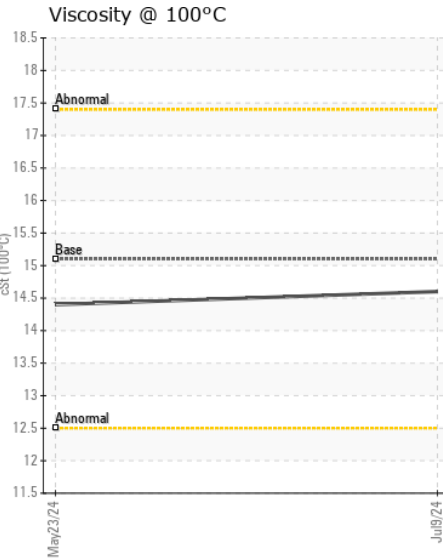
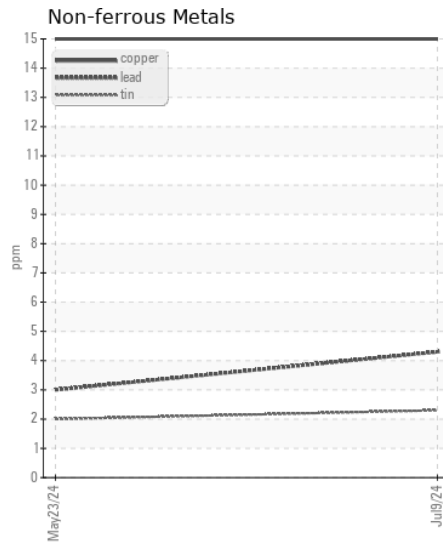
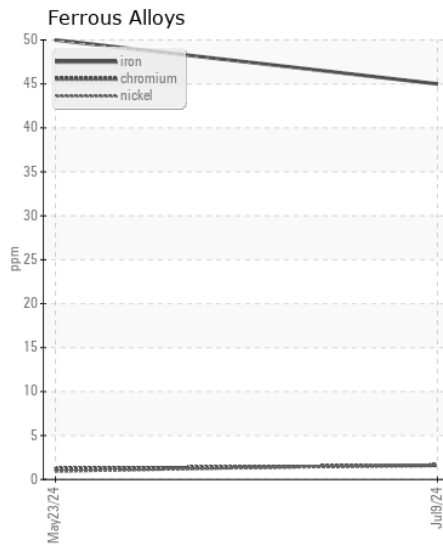
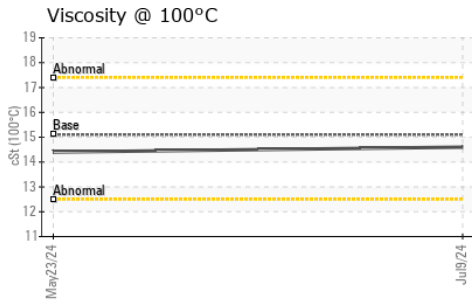
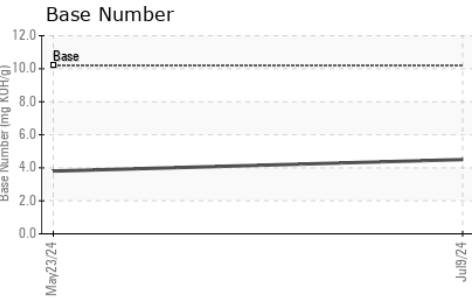
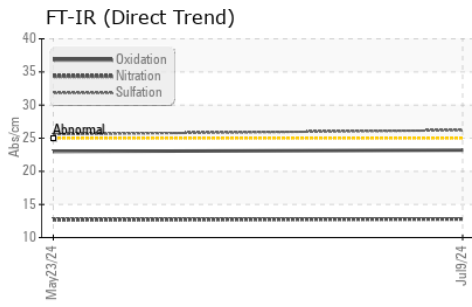
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	12	17	---
Potassium	ppm	ASTM D5185m	>20	15	14	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	*ASTM D7844		0	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	12.8	12.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.2	25.6	---
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	>0.1	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		5	10	---
Boron	ppm	ASTM D5185m	50	6	10	---
Barium	ppm	ASTM D5185m	5	<1	<1	---
Molybdenum	ppm	ASTM D5185m	50	67	63	---
Manganese	ppm	ASTM D5185m	0	8	10	---
Magnesium	ppm	ASTM D5185m	560	809	827	---
Calcium	ppm	ASTM D5185m	1510	1691	1533	---
Phosphorus	ppm	ASTM D5185m	780	929	848	---
Zinc	ppm	ASTM D5185m	870	1134	1069	---
Sulfur	ppm	ASTM D5185m	2040	2352	2726	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.2	23.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.5	3.8	---
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0124438
Lab Number : 06234690
Unique Number : 11123524
Test Package : FLEET

Received : 12 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Wes Davis

GFL Environmental - 031 - Greenville/Spartanburg
 1635 Antioch Church Rd
 Piedmont, SC
 US 29673
 Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.com

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:
F: