



OIL ANALYSIS REPORT

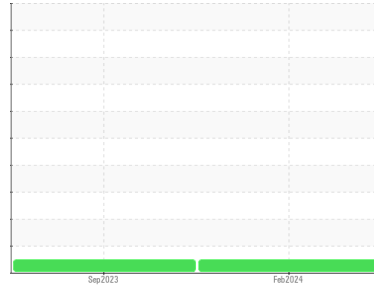
Sample Rating Trend

NORMAL



Area
(01KJ9A)
Machine Id
723023-361636

Component
Transmission
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)



DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0109798	GFL0090659	---
Sample Date	Client Info	28 Feb 2024	06 Sep 2023	---
Machine Age	hrs Client Info	25483	29546	---
Oil Age	hrs Client Info	0	29546	---
Oil Changed	Client Info	Not Chngd	Not Chngd	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	51	72	---
Chromium	ppm ASTM D5185m >10	<1	0	---
Nickel	ppm ASTM D5185m	0	0	---
Titanium	ppm ASTM D5185m	0	0	---
Silver	ppm ASTM D5185m	0	0	---
Aluminum	ppm ASTM D5185m >50	24	16	---
Lead	ppm ASTM D5185m >50	15	5	---
Copper	ppm ASTM D5185m >200	11	16	---
Tin	ppm ASTM D5185m >10	6	1	---
Vanadium	ppm ASTM D5185m	0	0	---
Cadmium	ppm ASTM D5185m	0	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	85	96	---
Barium	ppm ASTM D5185m	0	0	---
Molybdenum	ppm ASTM D5185m	0	0	---
Manganese	ppm ASTM D5185m	1	<1	---
Magnesium	ppm ASTM D5185m	6	<1	---
Calcium	ppm ASTM D5185m	80	94	---
Phosphorus	ppm ASTM D5185m	243	267	---
Zinc	ppm ASTM D5185m	3	4	---
Sulfur	ppm ASTM D5185m	1161	1373	---

CONTAMINANTS

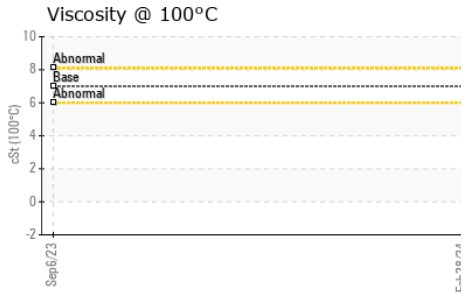
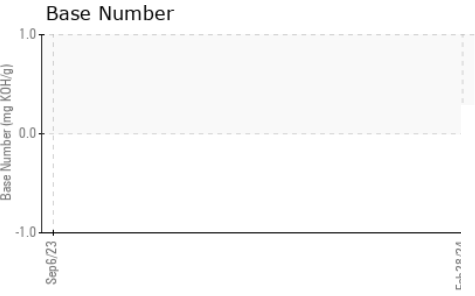
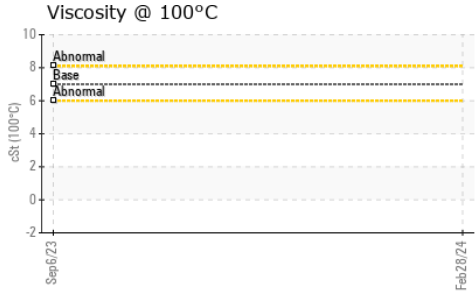
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	4	9	---
Sodium	ppm ASTM D5185m	6	6	---
Potassium	ppm ASTM D5185m >20	3	3	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	---
Yellow Metal	scalar *Visual NONE	NONE	NONE	---
Precipitate	scalar *Visual NONE	NONE	NONE	---
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	---
Free Water	scalar *Visual	NEG	NEG	---



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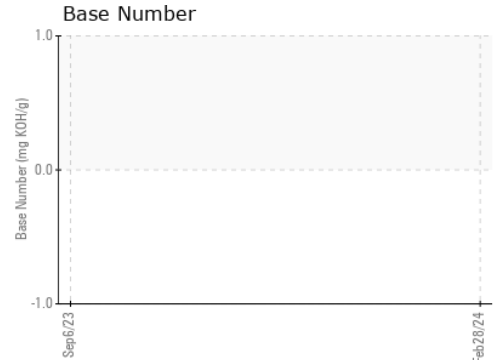
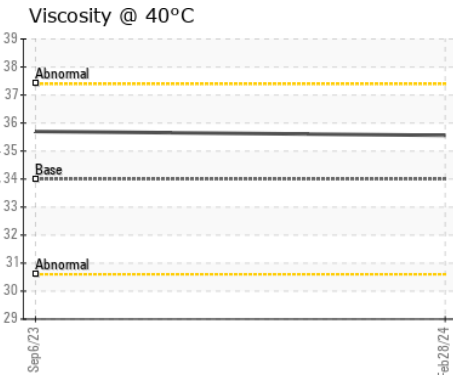
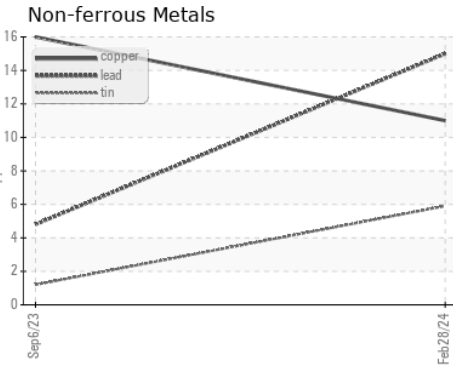
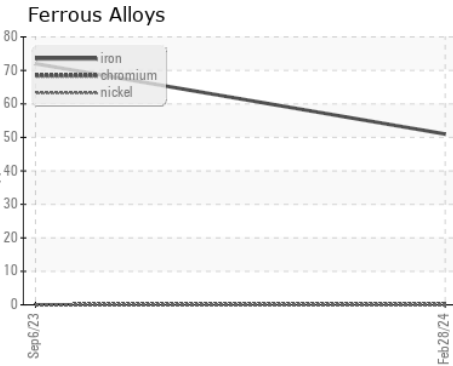
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	35.56	35.7	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0109798 **Received** : 01 Mar 2024
Lab Number : **06105856** **Tested** : 07 Mar 2024
Unique Number : 10909353 **Diagnosed** : 07 Mar 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FT-IR, KV100, TBN)

GFL Environmental - 837 - Harrison TS
 22820 S State Route 291
 Harrisonville, MO
 US 64701
 Contact: JOHNNY PEREZ
 johnny.perez@gflenv.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: