



OIL ANALYSIS REPORT

Sample Rating Trend

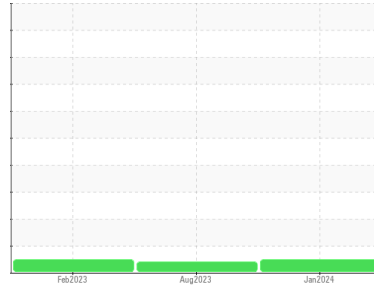
NORMAL



Machine Id
422028-402313

Component
Transmission (Auto)

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 fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	GFL0109767	GFL0087146	GFL0070320	
Sample Date	Client Info	30 Jan 2024	12 Aug 2023	27 Feb 2023	
Machine Age	hrs	Client Info	26237	25662	25047
Oil Age	hrs	Client Info	26237	25662	1200
Oil Changed	Client Info	Not Changed	Not Changd	Not Changed	
Sample Status		NORMAL	ABNORMAL	NORMAL	

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >160	82	81	129
Chromium	ppm ASTM D5185m >5	<1	<1	<1
Nickel	ppm ASTM D5185m >5	<1	0	0
Titanium	ppm ASTM D5185m	<1	<1	<1
Silver	ppm ASTM D5185m >5	0	0	<1
Aluminum	ppm ASTM D5185m >50	18	18	28
Lead	ppm ASTM D5185m >50	6	5	9
Copper	ppm ASTM D5185m >225	8	8	11
Tin	ppm ASTM D5185m >10	2	1	2
Vanadium	ppm ASTM D5185m	0	<1	0
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	71	90	83
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	<1	<1	<1
Manganese	ppm ASTM D5185m	1	1	1
Magnesium	ppm ASTM D5185m	2	2	2
Calcium	ppm ASTM D5185m	109	121	92
Phosphorus	ppm ASTM D5185m	246	241	253
Zinc	ppm ASTM D5185m	3	12	31
Sulfur	ppm ASTM D5185m	1471	1616	1281

CONTAMINANTS

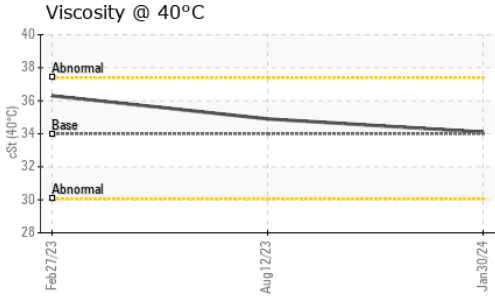
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	8	8	6
Sodium	ppm ASTM D5185m	6	8	9
Potassium	ppm ASTM D5185m >20	6	6	10

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	▲ MODER	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 >0.1	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

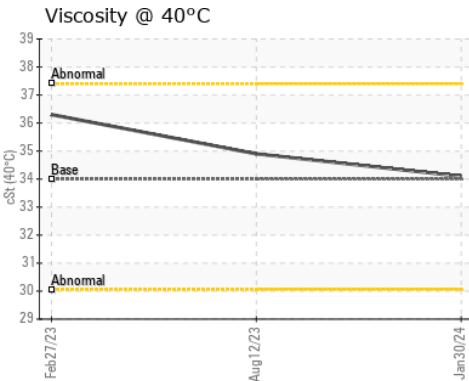
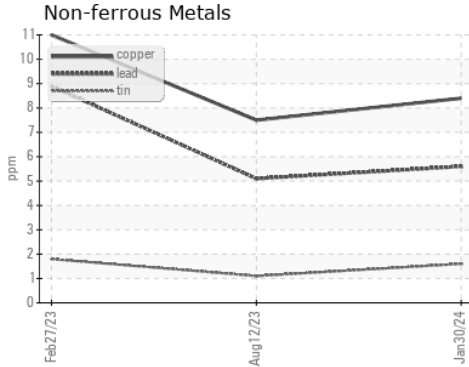
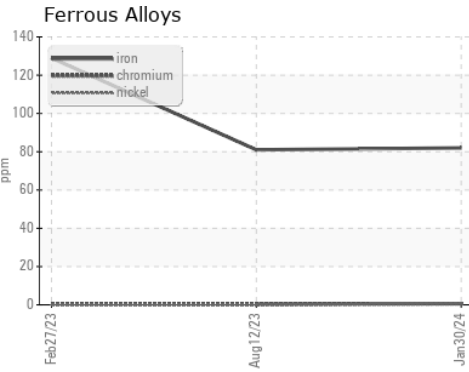


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 34	34.1	34.9	36.3

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0109767 **Received** : 01 Feb 2024
Lab Number : **06077902** **Diagnosed** : 02 Feb 2024
Unique Number : 10859993 **Diagnostician** : Wes Davis
Test Package : FLEET

GFL Environmental - 836 - Kansas City Hauling
 7801 East Truman Road
 Kansas City, MO
 US 64126
 Contact: Robert Hart
 rhart@gflenv.com
 T: (580)461-1509
 F:

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)