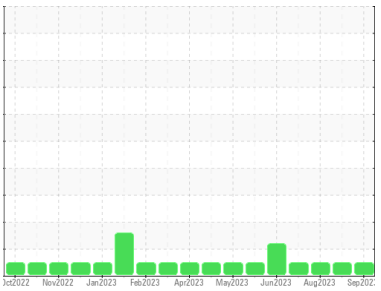
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
10949
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 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		**GFL0094288**	GFL0091442	GFL0088701
Sample Date		Client Info		**27 Sep 2023**	01 Sep 2023	16 Aug 2023
Machine Age	hrs	Client Info		**13108**	12974	12830
Oil Age	hrs	Client Info		**444**	310	166
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**NORMAL**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	**47**	45	45
Chromium	ppm	ASTM D5185m	>5	**<1**	0	0
Nickel	ppm	ASTM D5185m	>5	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m	>5	**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**21**	22	19
Lead	ppm	ASTM D5185m	>50	**1**	0	1
Copper	ppm	ASTM D5185m	>225	**13**	12	11
Tin	ppm	ASTM D5185m	>10	**2**	2	2
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**39**	40	46
Barium	ppm	ASTM D5185m		**0**	0	2
Molybdenum	ppm	ASTM D5185m		**2**	0	<1
Manganese	ppm	ASTM D5185m		**1**	<1	<1
Magnesium	ppm	ASTM D5185m		**10**	6	4
Calcium	ppm	ASTM D5185m		**116**	114	114
Phosphorus	ppm	ASTM D5185m		**273**	271	251
Zinc	ppm	ASTM D5185m		**170**	148	142
Sulfur	ppm	ASTM D5185m		**1381**	1647	1538

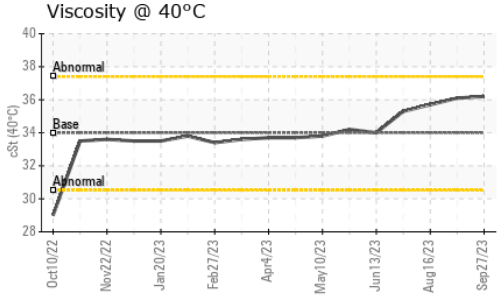
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**7**	7	6
Sodium	ppm	ASTM D5185m		**7**	6	0
Potassium	ppm	ASTM D5185m	>20	**3**	<1	2

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	LIGHT
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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	**36.2**	36.1	35.7

OIL ANALYSIS REPORT

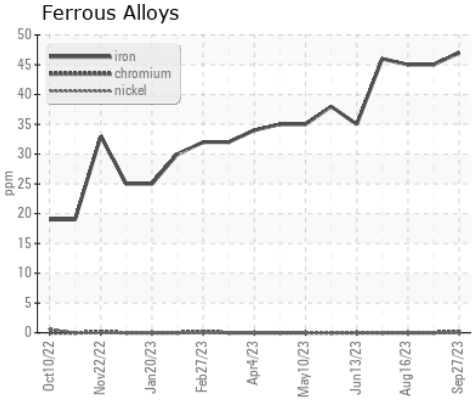
Viscosity @ 40°C



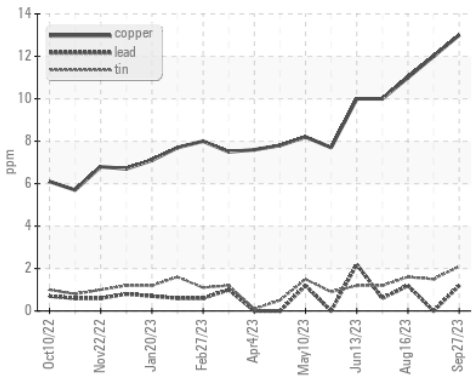
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

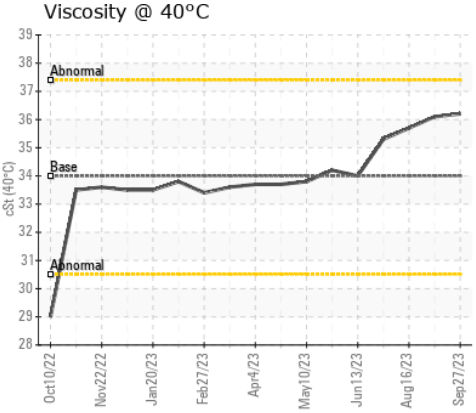
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0094288
Lab Number : 05963859
Unique Number : 10670410
Test Package : FLEET

Received : 28 Sep 2023
Diagnosed : 01 Oct 2023
Diagnostician : Don Baldridge

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)

GFL Environmental - 010 - Stockbridge
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Stockbridge, GA
US 30281
Contact: JOSHUA TINKER
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F:

Report Id: GFL010 [WUSCAR] 05963859 (Generated: 10/01/2023 12:47:17) Rev: 1

Submitted By: JOSHUA TINKER