



OIL ANALYSIS REPORT

Sample Rating Trend

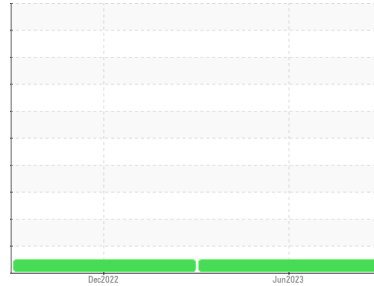
NORMAL



Machine Id
740002-361595

Component
Transmission (Manual)

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	history 1	history 2
Sample Number	Client Info	GFL0084737	GFL0058247	---
Sample Date	Client Info	21 Jun 2023	06 Dec 2022	---
Machine Age	mls	Client Info	253128	247242
Oil Age	mls	Client Info	0	0
Oil Changed	Client Info	Changed	Changed	---
Sample Status		NORMAL	NORMAL	---

WEAR METALS

method	limit/base	current	history 1	history 2		
Iron	ppm	ASTM D5185m	>200	33	27	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>7	0	0	---
Aluminum	ppm	ASTM D5185m	>25	9	6	---
Lead	ppm	ASTM D5185m	>45	0	<1	---
Copper	ppm	ASTM D5185m	>225	5	6	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES

method	limit/base	current	history 1	history 2		
Boron	ppm	ASTM D5185m		42	45	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		1	5	---
Calcium	ppm	ASTM D5185m		112	119	---
Phosphorus	ppm	ASTM D5185m		213	209	---
Zinc	ppm	ASTM D5185m		0	10	---
Sulfur	ppm	ASTM D5185m		2155	2168	---

CONTAMINANTS

method	limit/base	current	history 1	history 2		
Silicon	ppm	ASTM D5185m	>125	4	4	---
Sodium	ppm	ASTM D5185m		4	0	---
Potassium	ppm	ASTM D5185m	>20	1	2	---

VISUAL

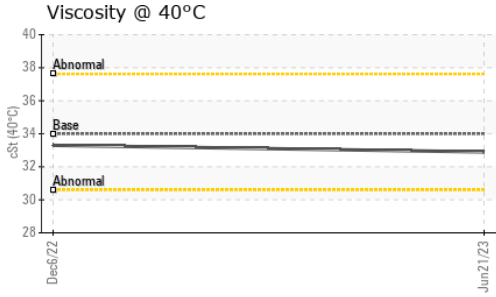
method	limit/base	current	history 1	history 2		
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	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	---

FLUID PROPERTIES

method	limit/base	current	history 1	history 2		
Visc @ 40°C	cSt	ASTM D445	34	32.9	33.3	---

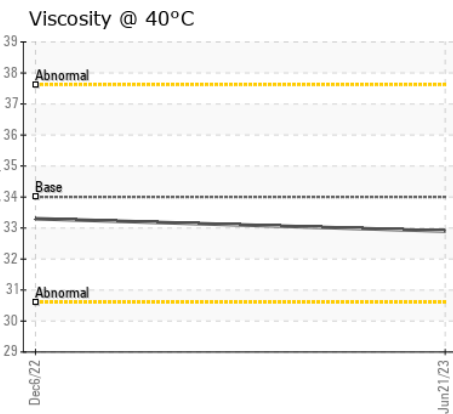
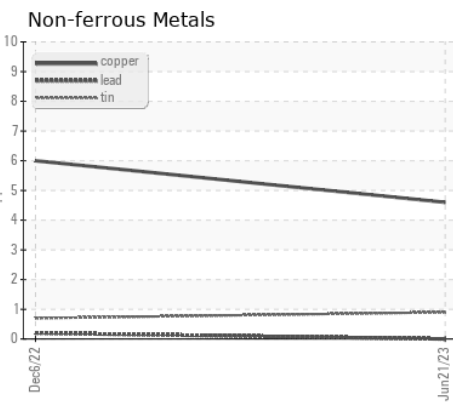
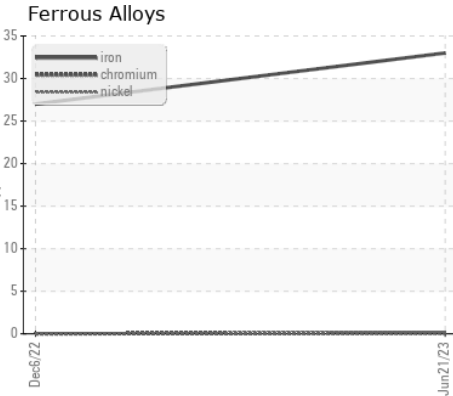


OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0084737 **Received** : 27 Jun 2023
Lab Number : **05885313** **Diagnosed** : 30 Jun 2023
Unique Number : 10535796 **Diagnostician** : Don Baldrige
Test Package : FLEET

GFL Environmental - 856 - Houston South
 8515 Highway 6 South
 Houston, TX
 US 77083
 Contact: KEITH ROWALD
 krowald@gflenv.com
 T: (303)641-3906
 F:

Certificate L2367
 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)