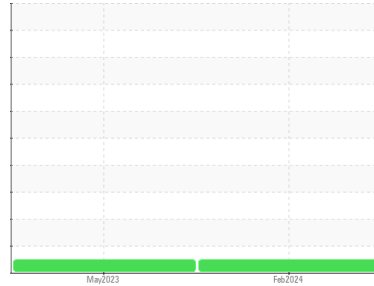




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
H0-03

Component
Drop Box

Fluid
PETRO CANADA TRAXON 75W90 SYNTHETIC (--- LTR)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA TRAXON 75W90 SYNTHETIC, however, a fluid match indicates that this fluid is SAE 75W90 Gear Oil. Please confirm the oil type and grade on your next sample. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0803697	WC0803683	---
Sample Date	Client Info		10 Feb 2024	19 May 2023	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	358	0	---
Oil Changed	Client Info		Changed	N/A	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		1	11	---
Iron	ppm	ASTM D5185(m) >400	13	29	---
Chromium	ppm	ASTM D5185(m) >4	<1	2	---
Nickel	ppm	ASTM D5185(m) >3	<1	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	<1	---
Aluminum	ppm	ASTM D5185(m) >15	<1	<1	---
Lead	ppm	ASTM D5185(m) >20	<1	1	---
Copper	ppm	ASTM D5185(m) >50	<1	<1	---
Tin	ppm	ASTM D5185(m) >3	0	0	---
Antimony	ppm	ASTM D5185(m) >5	221	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

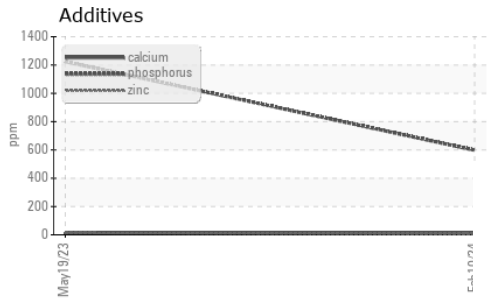
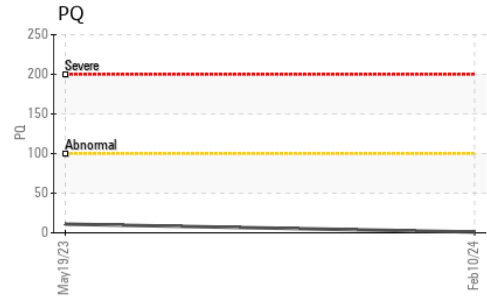
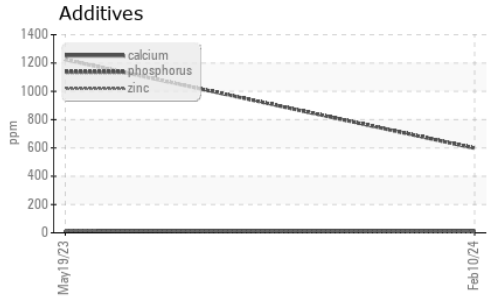
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 328	40	283	---
Barium	ppm	ASTM D5185(m) 1	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	0	<1	---
Magnesium	ppm	ASTM D5185(m) 1	1	3	---
Calcium	ppm	ASTM D5185(m) 7	15	16	---
Phosphorus	ppm	ASTM D5185(m) 1145	598	1224	---
Zinc	ppm	ASTM D5185(m) 3	5	13	---
Sulfur	ppm	ASTM D5185(m) 17909	17080	19322	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >60	5	8	---
Sodium	ppm	ASTM D5185(m)	<1	1	---
Potassium	ppm	ASTM D5185(m) >20	<1	1	---



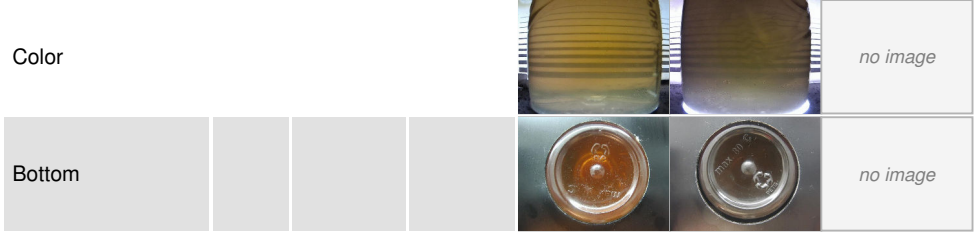
OIL ANALYSIS REPORT



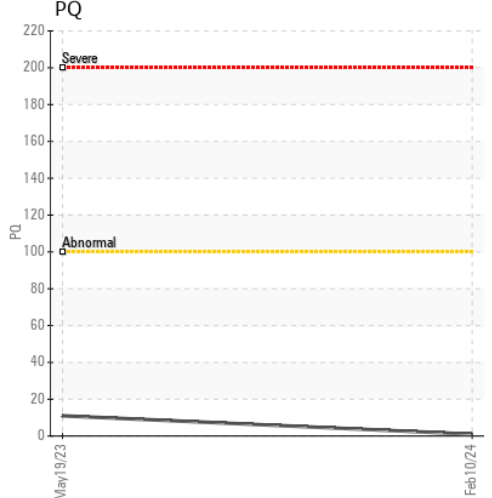
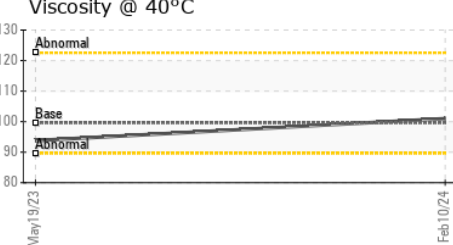
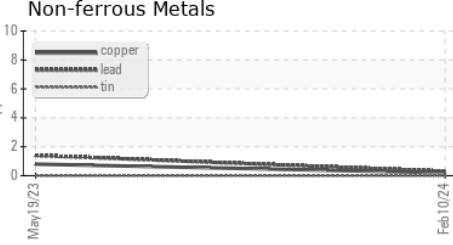
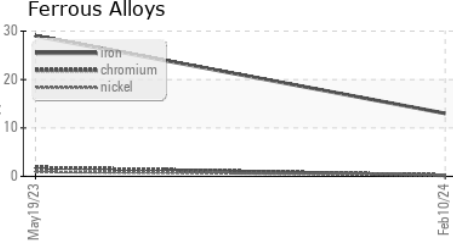
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	101	93.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0803697 **Received** : 19 Mar 2024
Lab Number : **02623118** **Tested** : 20 Mar 2024
Unique Number : 5748237 **Diagnosed** : 20 Mar 2024 - Kevin Marson
Test Package : FLEET (Additional Tests: PQ)

GOLIATH ENERGY GROUP
 3277 PARSONS RD NW
 EDMONTON, AB
 CA T6N 1B4
 Contact: Kurt Bromling
 kurt@goliathenergy.com
 T: (780)897-6262
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.