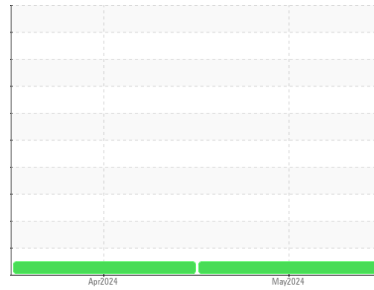




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
AP-01
 Component
Drop Box
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

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			WC0925776	WC0901109	---
Sample Date	Client Info			29 May 2024	10 Apr 2024	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

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

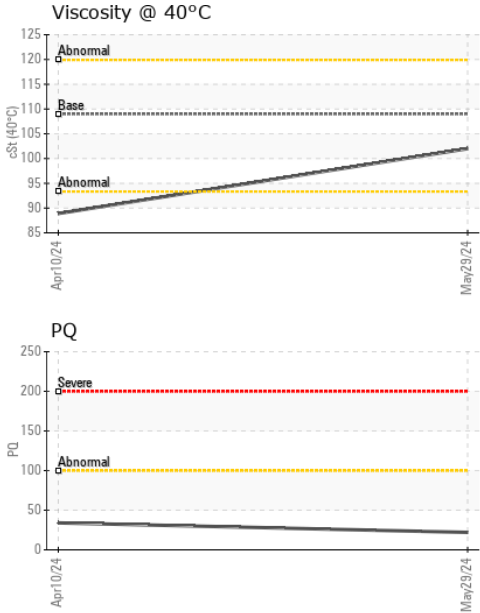
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		22	34	---
Iron	ppm	ASTM D5185(m)	>400	84	219	---
Chromium	ppm	ASTM D5185(m)	>4	<1	2	---
Nickel	ppm	ASTM D5185(m)	>3	<1	3	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>15	1	3	---
Lead	ppm	ASTM D5185(m)	>20	0	0	---
Copper	ppm	ASTM D5185(m)	>50	<1	1	---
Tin	ppm	ASTM D5185(m)	>3	0	0	---
Antimony	ppm	ASTM D5185(m)	>5	0	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)	400	245	109	---
Barium	ppm	ASTM D5185(m)	200	0	0	---
Molybdenum	ppm	ASTM D5185(m)	12	0	0	---
Manganese	ppm	ASTM D5185(m)		2	9	---
Magnesium	ppm	ASTM D5185(m)	12	<1	1	---
Calcium	ppm	ASTM D5185(m)	150	14	10	---
Phosphorus	ppm	ASTM D5185(m)	1650	1236	845	---
Zinc	ppm	ASTM D5185(m)	125	7	12	---
Sulfur	ppm	ASTM D5185(m)	22500	22135	27136	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>60	5	17	---
Sodium	ppm	ASTM D5185(m)		<1	1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	1	---



OIL ANALYSIS REPORT



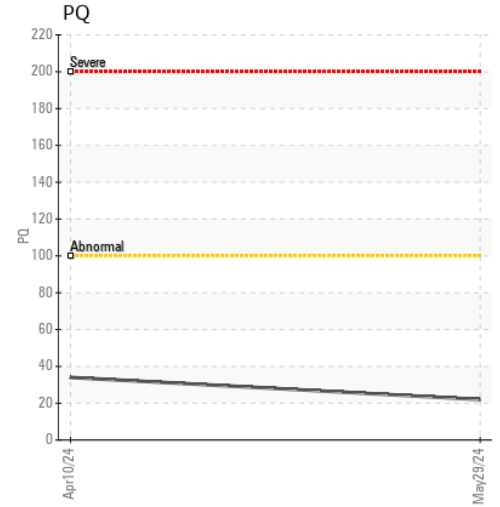
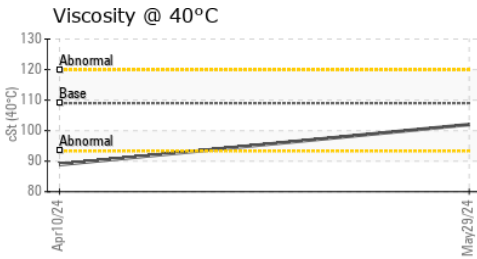
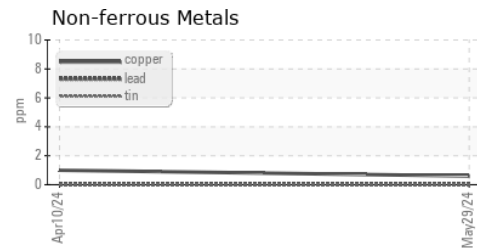
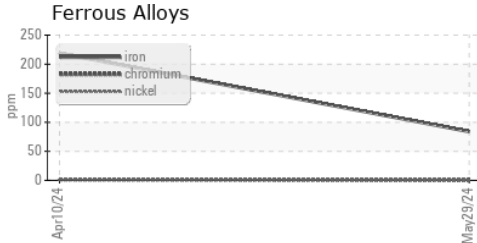
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	109	102	88.9	---

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. : WC0925776 **Received** : 24 Jun 2024
Lab Number : **02643833** **Tested** : 25 Jun 2024
Unique Number : 5801372 **Diagnosed** : 25 Jun 2024 - Wes Davis
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.