



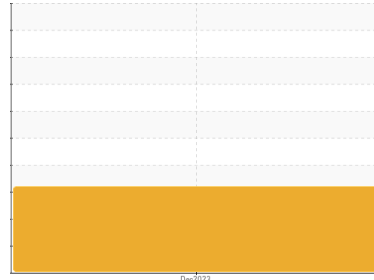
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Machine Id
EX0301
Component
Swing Drive
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0094027	---	---
Sample Date	Client Info		01 Dec 2023	---	---
Machine Age	kms	Client Info	6342	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >400	92	---	---
Chromium	ppm	ASTM D5185(m) >10	1	---	---
Nickel	ppm	ASTM D5185(m) >10	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	<1	---	---
Aluminum	ppm	ASTM D5185(m) >25	2	---	---
Lead	ppm	ASTM D5185(m) >50	2	---	---
Copper	ppm	ASTM D5185(m) >200	2	---	---
Tin	ppm	ASTM D5185(m) >10	0	---	---
Antimony	ppm	ASTM D5185(m) >5	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

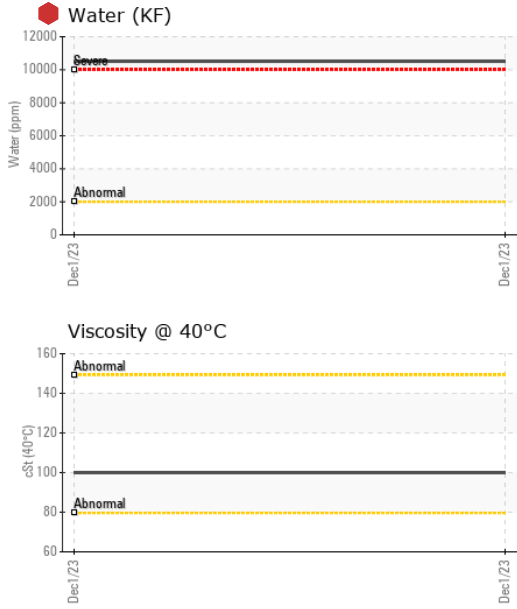
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	14	---	---
Barium	ppm	ASTM D5185(m)	6	---	---
Molybdenum	ppm	ASTM D5185(m)	5	---	---
Manganese	ppm	ASTM D5185(m)	<1	---	---
Magnesium	ppm	ASTM D5185(m)	13	---	---
Calcium	ppm	ASTM D5185(m)	2518	---	---
Phosphorus	ppm	ASTM D5185(m)	921	---	---
Zinc	ppm	ASTM D5185(m)	1059	---	---
Sulfur	ppm	ASTM D5185(m)	7855	---	---
Lithium	ppm	ASTM D5185(m)	18	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	12	---	---
Sodium	ppm	ASTM D5185(m)	9	---	---
Potassium	ppm	ASTM D5185(m) >20	28	---	---
Water	%	ASTM D6304* >0.2	1.051	---	---
ppm Water	ppm	ASTM D6304* >2000	10511	---	---



OIL ANALYSIS REPORT



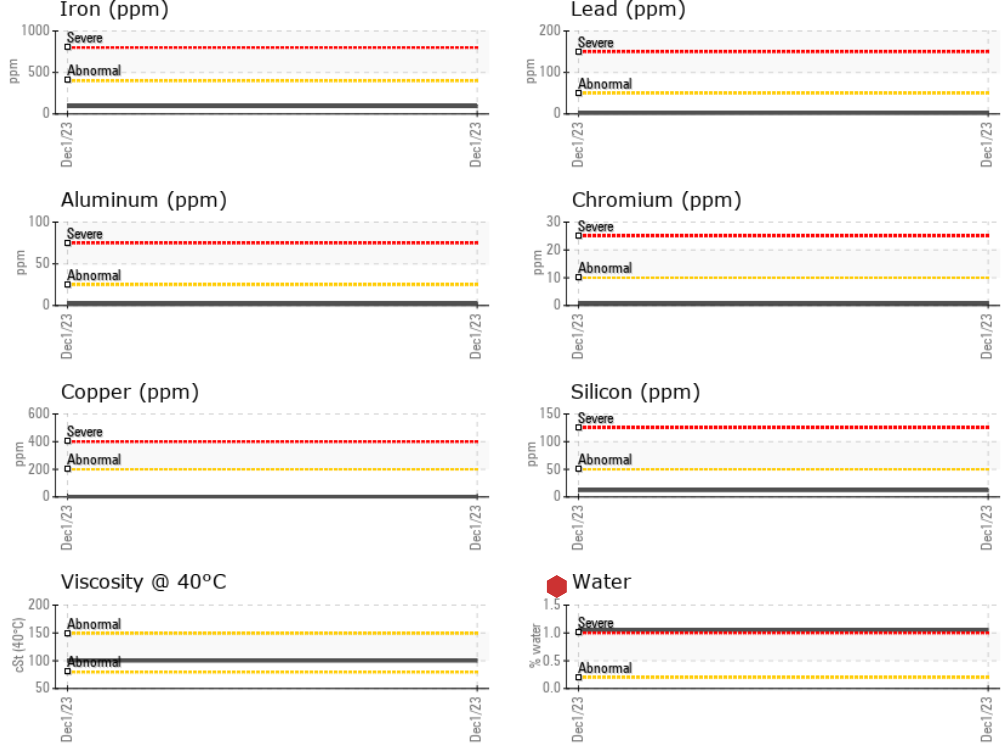
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ .5%	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	100	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 968 - Boylston**
Sample No. : GFL0094027 **Received** : 08 Dec 2023 **151 Waste Management Road Hiwy 16**
Lab Number : 02601955 **Diagnosed** : 11 Dec 2023 **Boylston, NS**
Unique Number : 5695040 **Diagnostician** : Kevin Marson **CA B0H 1G0**
Test Package : MOB 1 (Additional Tests: KF) **Contact: Bruce Avery**
bruce.avery@gflenv.com

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.