

# **OIL ANALYSIS REPORT**

### Sample Rating Trend

# VISCOSITY VISCOSITY



Machine Id
WL0424
Component
Transmission (Manual)
Fluid

CAT TDTO TRANS-DRIVE SAE 30 (--- 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.

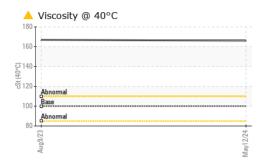
# Fluid Condition

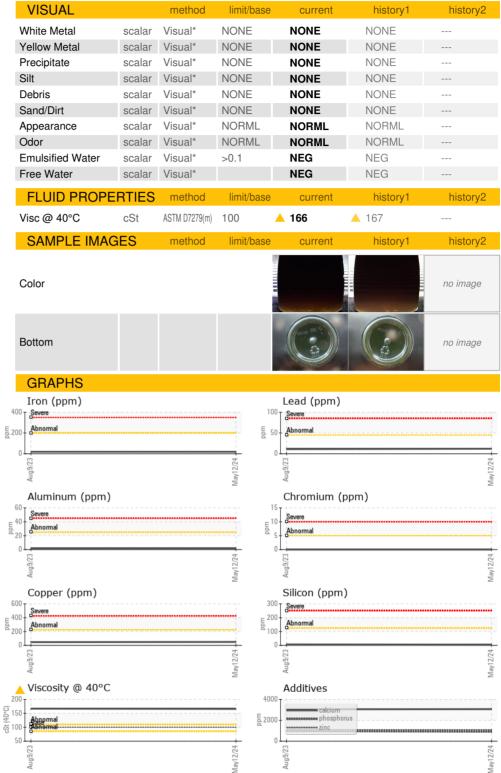
Viscosity of sample indicates oil is within SAE 50 range, advise investigate. The condition of the fluid is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0100655	GFL0077024	
Sample Date		Client Info		12 May 2024	09 Aug 2023	
Machine Age	kms	Client Info		6447	5470	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATI	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	19	19	
Chromium	ppm	ASTM D5185(m)	>5	0	0	
Nickel	ppm	ASTM D5185(m)	>5	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>7	0	0	
Aluminum	ppm	ASTM D5185(m)	>25	2	2	
Lead	ppm	ASTM D5185(m)	>45	12	11	
Copper	ppm	ASTM D5185(m)	>225	49	46	
Tin	ppm	ASTM D5185(m)	>10	<1	1	
Antimony	ppm	ASTM D5185(m)		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)		5	6	
Barium	ppm	ASTM D5185(m)		<1	<1	
Molybdenum	ppm	ASTM D5185(m)		<1	2	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)		15	16	
Calcium	ppm	ASTM D5185(m)	2980	3071	3050	
Phosphorus	ppm	ASTM D5185(m)	1100	906	966	
Zinc	ppm	ASTM D5185(m)	1270	1055	1091	
Sulfur	ppm	ASTM D5185(m)		4446	4490	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>125	5	7	
Sodium	ppm	ASTM D5185(m)		1	1	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number : 02635323 Unique Number : 5776476

: GFL0100655

Test Package : MOB 1

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Diagnosed

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 575 - Squamish Hauling Received : 14 May 2024 Tested : 14 May 2024

: 14 May 2024 - Kevin Marson

38950 Queens Way,

Squamish, BC **CA V8B 0K8** Contact: Jonas Araujo jaraujo@gflenv.com T:

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.

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