

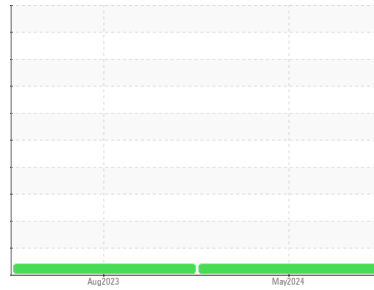


# OIL ANALYSIS REPORT



Machine Id  
**WL0424**  
 Component  
**Transmission (Manual)**  
 Fluid  
**CAT TDTO TRANS-DRIVE SAE 30 (--- GAL)**

## Sample Rating Trend



## VISCOSITY



### 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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0100655</b>	GFL0077024	---
Sample Date	Client Info		<b>12 May 2024</b>	09 Aug 2023	---
Machine Age	kms	Client Info	<b>6447</b>	5470	---
Oil Age	kms	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	---

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	<b>19</b>	19	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	---
Lead	ppm	ASTM D5185(m)	>45	<b>12</b>	11	---
Copper	ppm	ASTM D5185(m)	>225	<b>49</b>	46	---
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>5</b>	6	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>15</b>	16	---
Calcium	ppm	ASTM D5185(m)	2980	<b>3071</b>	3050	---
Phosphorus	ppm	ASTM D5185(m)	1100	<b>906</b>	966	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1055</b>	1091	---
Sulfur	ppm	ASTM D5185(m)		<b>4446</b>	4490	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>125	<b>5</b>	7	---
Sodium	ppm	ASTM D5185(m)		<b>1</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---

