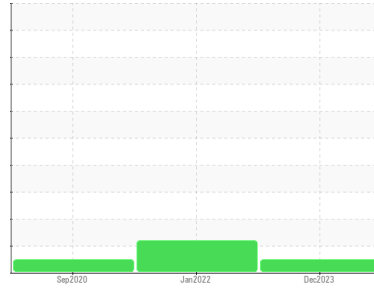




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**T001301 (S/N 20-M-01-2156)**

Component  
**Gearbox**

Fluid  
**GEAR OIL SAE 75W90 (--- 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 oil.

### Fluid Condition

The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0832177</b>	WC0653335	WC0486643
Sample Date	Client Info		<b>06 Dec 2023</b>	26 Jan 2022	08 Sep 2020
Machine Age	hrs	Client Info	<b>4581</b>	2438	527
Oil Age	hrs	Client Info	<b>0</b>	0	400
Oil Changed	Client Info		<b>N/A</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	ATTENTION	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	<b>117</b>	100	41
Chromium	ppm	ASTM D5185(m)	>15	<b>1</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	1	<1
Lead	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	1	0
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	8	<1
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	0
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	400	<b>182</b>	▲ 77	241
Barium	ppm	ASTM D5185(m)	200	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	12	<b>1</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	2
Magnesium	ppm	ASTM D5185(m)	12	<b>2</b>	3	<1
Calcium	ppm	ASTM D5185(m)	150	<b>12</b>	75	14
Phosphorus	ppm	ASTM D5185(m)	1650	<b>978</b>	811	1543
Zinc	ppm	ASTM D5185(m)	125	<b>12</b>	▲ 284	18
Sulfur	ppm	ASTM D5185(m)	22500	<b>23849</b>	▲ 8700	25530
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	1

## CONTAMINANTS

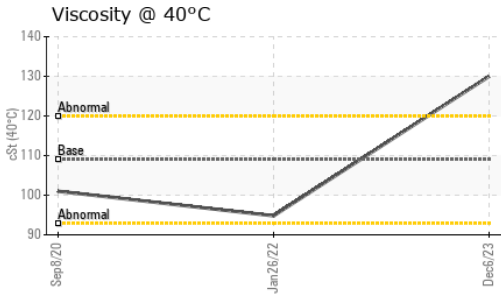
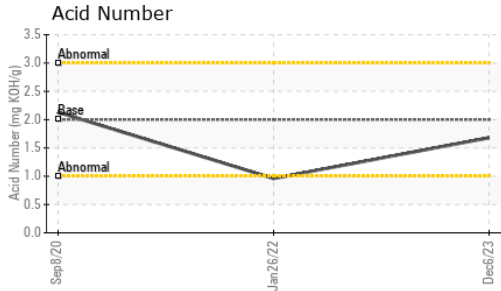
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>50	<b>5</b>	6	2
Sodium	ppm	ASTM D5185(m)		<b>2</b>	<1	6
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	<1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	<b>1.68</b>	0.96	2.13



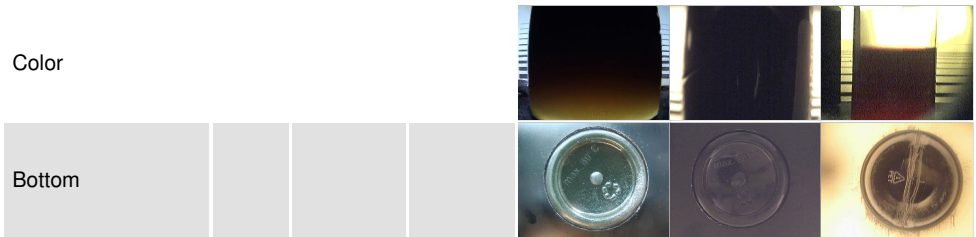
# OIL ANALYSIS REPORT



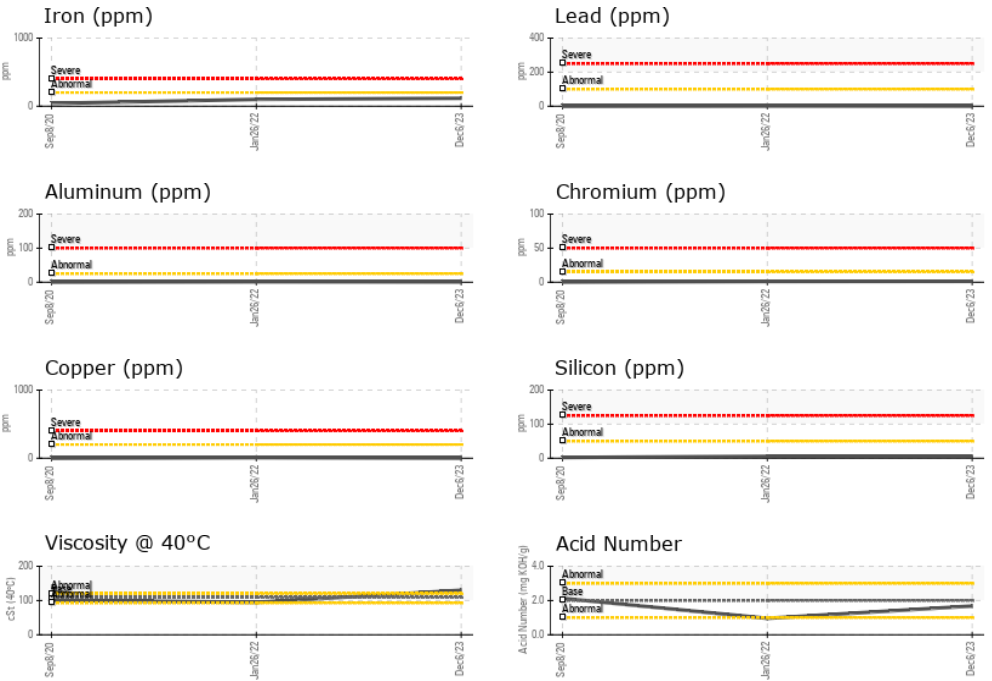
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	109	130	94.8	101

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.** : WC0832177 **Received** : 08 Dec 2023  
**Lab Number** : 02601950 **Diagnosed** : 11 Dec 2023  
**Unique Number** : 5695035 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )

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.

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