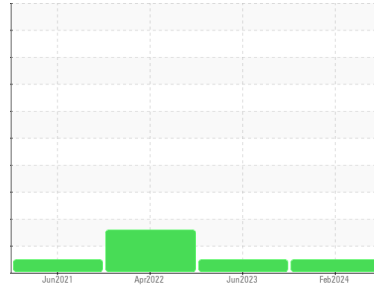




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**74103 SUMMIT**

Component  
**Gearbox**

Fluid  
**GEAR OIL (PAO) ISO 220 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL (PAO) ISO 220. Please confirm.

### 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		<b>WC0819607</b>	WC0577664	WC0577663
Sample Date	Client Info		<b>29 Feb 2024</b>	01 Jun 2023	01 Apr 2022
Machine Age	hrs	Client Info	<b>0</b>	11520	11198
Oil Age	hrs	Client Info	<b>0</b>	296	0
Oil Changed	Client Info		<b>Not Changed</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## 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>12</b>	23	43
Chromium	ppm	ASTM D5185(m) >15	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m) >100	<b>3</b>	0	0
Copper	ppm	ASTM D5185(m) >200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m) >25	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	<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

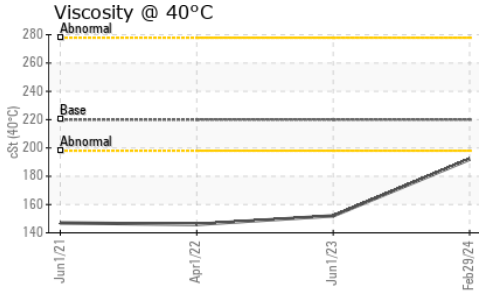
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 25	<b>23</b>	24	24
Barium	ppm	ASTM D5185(m) 12	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 5	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m) 25	<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185(m) 25	<b>1</b>	0	1
Phosphorus	ppm	ASTM D5185(m) 375	<b>414</b>	454	467
Zinc	ppm	ASTM D5185(m) 25	<b>28</b>	6	7
Sulfur	ppm	ASTM D5185(m) 4900	<b>5196</b>	5303	5245
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	2	2

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>3</b>	6	30
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	0



# OIL ANALYSIS REPORT



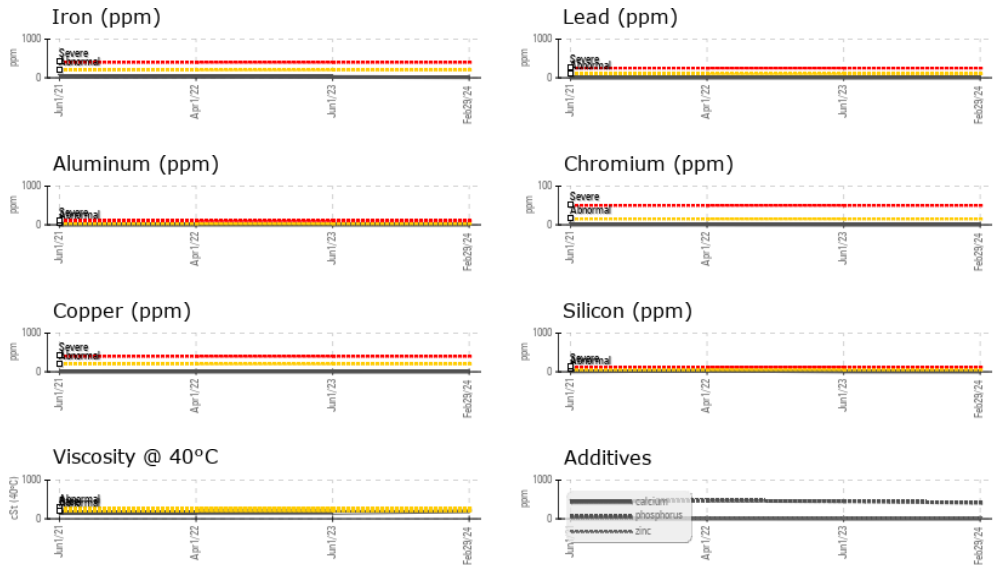
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE ▲ LIGHT
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE ▲ MODER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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	<b>192</b>	152 146

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0819607 **Received** : 14 Mar 2024  
**Lab Number** : 02622068 **Tested** : 14 Mar 2024  
**Unique Number** : 5747187 **Diagnosed** : 14 Mar 2024 - Kevin Marson  
**Test Package** : MOB 1

**MANSFIELD SKI CLUB**  
 BOX 75  
 MANSFIELD, ON  
 CA L0N 1M0  
 Contact: Scott Dermott  
 operations@mansfieldskiclub.com  
 T: (705)380-5431  
 F: (705)435-6873

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.