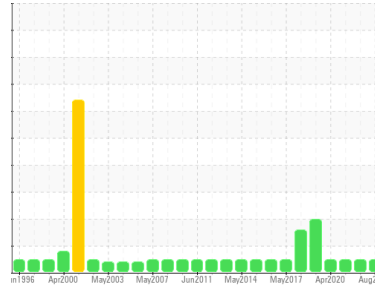




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[WC107012]**  
 Machine Id  
**HOLROID 71647 (S/N TEDDY BEAR HANDLE TOW)**  
 Component  
**Gearbox**  
 Fluid  
**MOBIL MOBILUBE HD 80W90 (4 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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>WC107012</b>	WC0577052	WC0577047
Sample Date	Client Info		<b>08 Aug 2023</b>	03 May 2022	15 Apr 2021
Machine Age	hrs	Client Info	<b>15500</b>	0	15000
Oil Age	hrs	Client Info	<b>500</b>	500	500
Oil Changed	Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	<b>24</b>	37	37
Chromium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	1	2
Lead	ppm	ASTM D5185(m)	>100	<b>1</b>	1	1
Copper	ppm	ASTM D5185(m)	>200	<b>12</b>	15	15
Tin	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185(m)	>5	<b>1</b>	4	2
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)		<b>147</b>	136	42
Barium	ppm	ASTM D5185(m)		<b>131</b>	241	113
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	2
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>4</b>	8	37
Calcium	ppm	ASTM D5185(m)		<b>6</b>	11	33
Phosphorus	ppm	ASTM D5185(m)		<b>1080</b>	933	571
Zinc	ppm	ASTM D5185(m)		<b>83</b>	37	92
Sulfur	ppm	ASTM D5185(m)		<b>21788</b>	22767	15839
Lithium	ppm	ASTM D5185(m)		<b>3</b>	4	2

## CONTAMINANTS

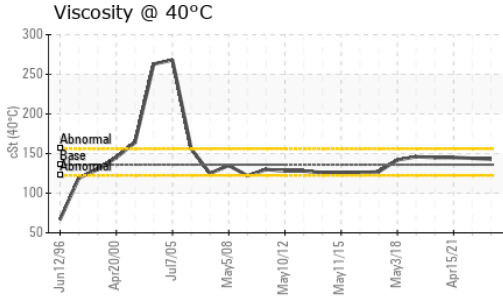
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>50	<b>7</b>	5	6
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1

## VISUAL

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



# OIL ANALYSIS REPORT

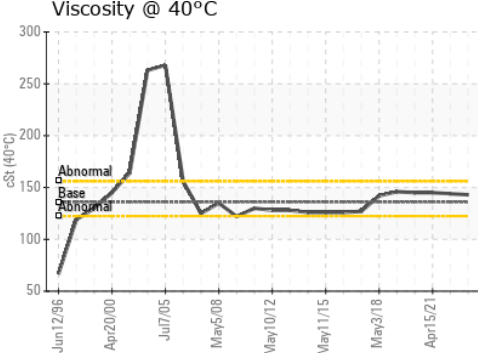
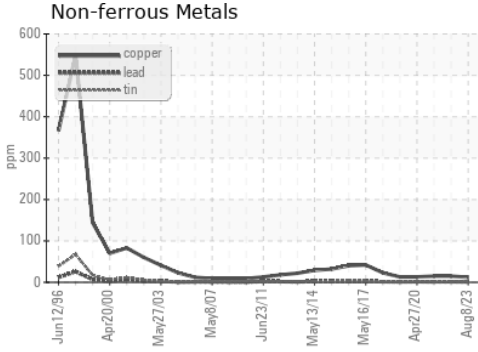
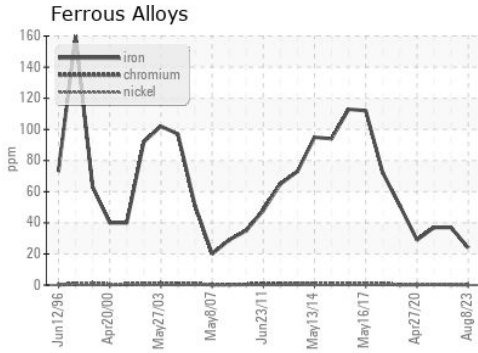


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	136	<b>143</b>	144	145

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color			
Bottom			

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC107012 **Received** : 09 Aug 2023  
**Lab Number** : **02574965** **Diagnosed** : 10 Aug 2023  
**Unique Number** : 5620016 **Diagnostician** : Kevin Marson  
**Test Package** : IND 1

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.

**Hockley Valley Resort**  
 793522, 3rd Line EHS  
 Mono, ON  
 CA L9W 5X7  
 Contact: Dave Oliver  
 doliver@hockley.com  
 T: (519)940-7232  
 F: (519)942-8033