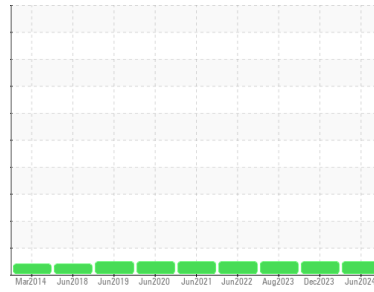




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**Four RH**

Machine Id

**54P08-25T-Est**

Component

**Reduction Gear**

Fluid

**MOBIL MOBILGEAR SHC 220 (60 LTR)**

### DIAGNOSIS

#### Recommendation

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

#### Wear

Les taux d'usure de tous les composants sont normaux.

#### Contamination

Il n'y a aucun indice de contamination dans l'huile.

#### Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0951431</b>	WC0884586	WC0807564
Sample Date	Client Info	<b>13 Jun 2024</b>	08 Dec 2023	31 Aug 2023
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	Not Changd	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

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

### WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >117	<b>&lt;1</b>	<1	3
Chromium	ppm ASTM D5185(m) >2	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m) >2	<b>&lt;1</b>	0	<1
Titanium	ppm ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm ASTM D5185(m)	<b>0</b>	<1	0
Aluminum	ppm ASTM D5185(m) >11	<b>&lt;1</b>	0	2
Lead	ppm ASTM D5185(m) >10	<b>0</b>	<1	<1
Copper	ppm ASTM D5185(m) >55	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185(m) >15	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m) >5	<b>0</b>	0	0
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>31</b>	34	32
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	1
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	1
Calcium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Phosphorus	ppm ASTM D5185(m)	<b>326</b>	332	411
Zinc	ppm ASTM D5185(m)	<b>4</b>	1	15
Sulfur	ppm ASTM D5185(m)	<b>14227</b>	14965	4892
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>2</b>	<1	8
Sodium	ppm ASTM D5185(m)	<b>0</b>	<1	1
Potassium	ppm ASTM D5185(m) >20	<b>&lt;1</b>	0	1

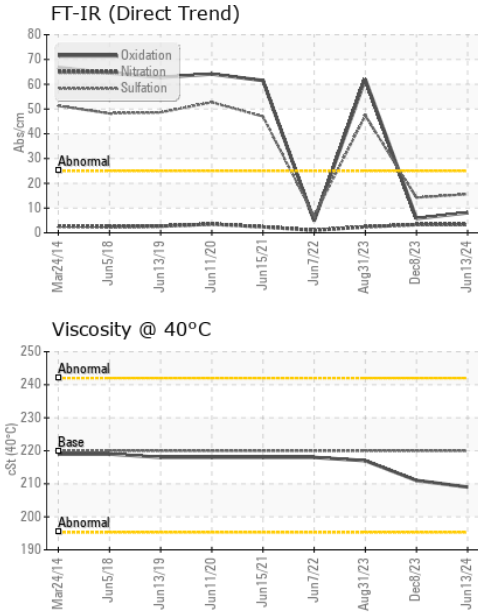
### INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	<b>0</b>	0	0
Nitration	Abs/cm ASTM D7624*	<b>3.3</b>	3.3	2.4
Sulfation	Abs/.1mm ASTM D7415*	<b>15.6</b>	14.2	47.4

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414*	<b>8.1</b>	5.8	62.0

# OIL ANALYSIS REPORT



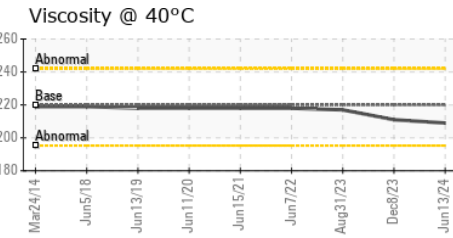
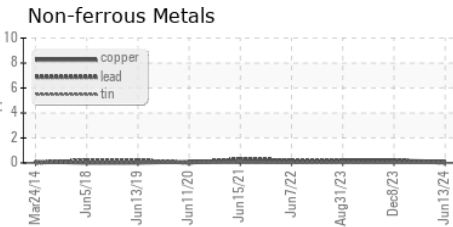
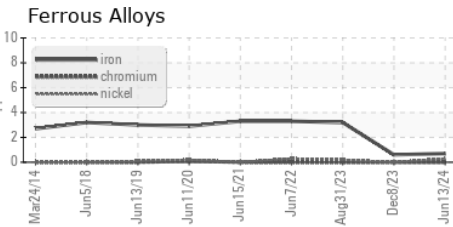
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	209	211 217

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.** : WC0951431 **Received** : 17 Jun 2024  
**Lab Number** : 02642415 **Tested** : 18 Jun 2024  
**Unique Number** : 5799954 **Diagnosed** : 18 Jun 2024 - Kevin Marson  
**Test Package** : IND 1 ( Additional Tests: FT-IR )

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.

**RTA - UGB**  
 C.P. 900  
 Ville de la Baie, QC  
 CA G7B 4G9  
 Contact: Alcan Epc  
 mathieu.tremblay2@riotinto.com  
 T: (418)697-9568  
 F: (418)697-9550