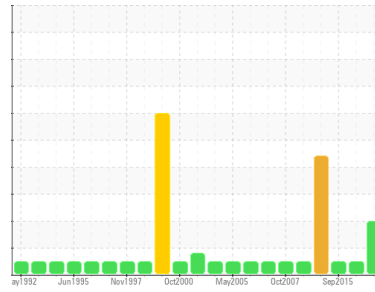




# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**EURODRIVE R/92 525677 #7 ELEVATOR**  
 Component  
**Gearbox**  
 Fluid  
**MOBIL MOBILGEAR SHC 220 (15 LTR)**

## DIAGNOSIS

### Recommendation

We advise that you check all areas where contaminants can enter the system. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate concentration of dirt present in the oil. Calcium and/or magnesium levels higher than normal indicating possible lime contamination, advise investigate.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0951874</b>	WC938398	WC938396
Sample Date	Client Info		<b>19 Jun 2024</b>	30 Aug 2016	16 Sep 2015
Machine Age	hrs	Client Info	<b>0</b>	5080	185477
Oil Age	hrs	Client Info	<b>0</b>	5080	2601
Oil Changed	Client Info		<b>Not Changed</b>	N/A	Not Changed
Sample Status			<b>ABNORMAL</b>	NORMAL	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
PQ	ASTM D8184*		<b>52</b>	63	45
Iron	ppm	ASTM D5185(m) >200	<b>80</b>	115	54
Chromium	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>5</b>	<1	<1
Lead	ppm	ASTM D5185(m) >100	<b>0</b>	<1	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	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>&lt;1</b>	5	3
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185(m)	<b>60</b>	1	<1
Calcium	ppm	ASTM D5185(m)	<b>20</b>	46	7
Phosphorus	ppm	ASTM D5185(m)	<b>265</b>	404	405
Zinc	ppm	ASTM D5185(m)	<b>11</b>	<1	<1
Sulfur	ppm	ASTM D5185(m)	<b>7949</b>	1647	1882
Lithium	ppm	ASTM D5185(m)	<b>2</b>	<1	<1

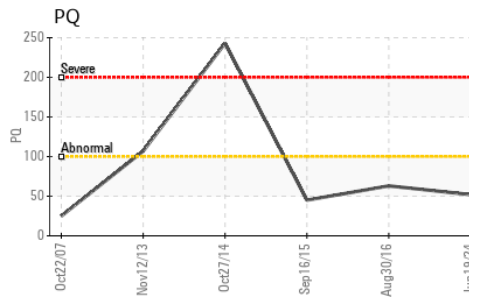
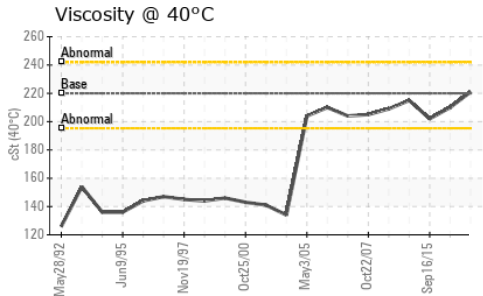
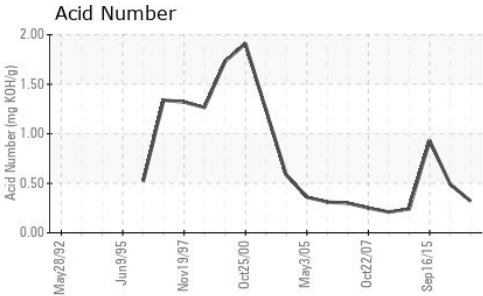
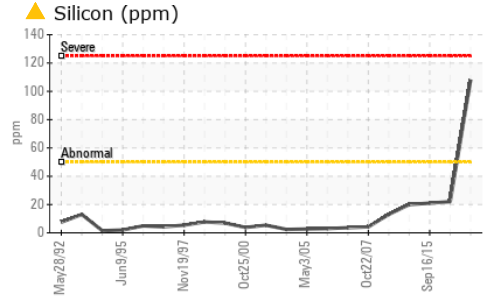
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>108</b>	22	21
Sodium	ppm	ASTM D5185(m)	<b>13</b>	<1	0
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	4	3

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.32</b>	0.49	0.930

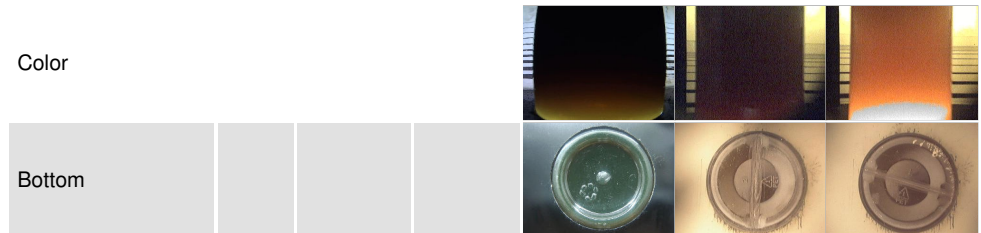
# OIL ANALYSIS REPORT



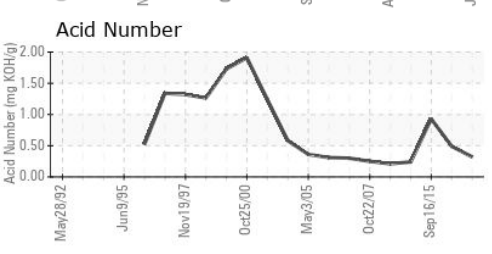
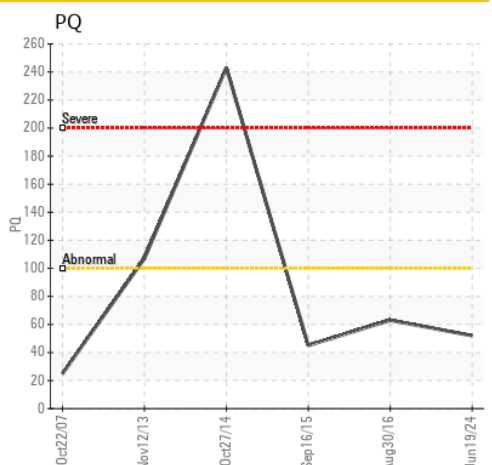
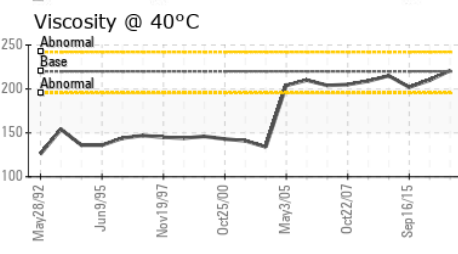
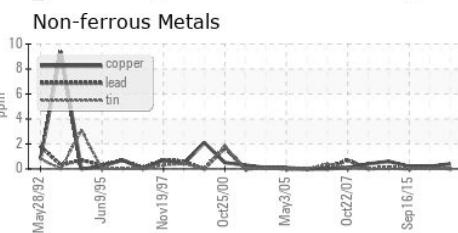
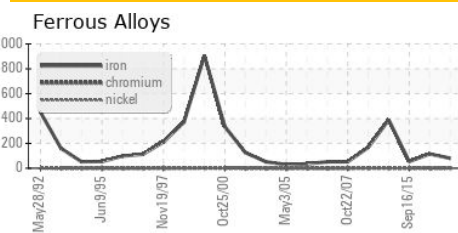
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	LIGHT
Debris	scalar	Visual*	NONE	NONE	LIGHT
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	221	210

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.** : WC0951874 **Received** : 21 Jun 2024  
**Lab Number** : **02643496** **Tested** : 21 Jun 2024  
**Unique Number** : 5801035 **Diagnosed** : 24 Jun 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**CARMEUSE LIME CANADA LTD.**  
 BOX 1690., HWY 17 EAST  
 BLIND RIVER, ON  
 CA P0R 1B0  
 Contact: Rejean Baillargeon  
 rejean.baillargeon@carmeusena.com  
 T: (705)849-2201  
 F: (705)849-2355

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.