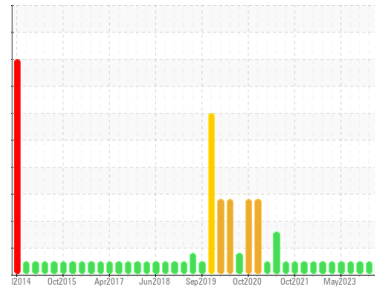




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**6**  
Machine Id  
**6-3-147 Inching Drive GBOX for 6-3-146**

Component

**Gearbox**

Fluid

**MOBIL SHC 630 (10 LTR)**

## 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 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>WC0925339</b>	WC0902037	WC0869882
Sample Date	Client Info		<b>09 Apr 2024</b>	14 Feb 2024	01 Nov 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>	N/A	N/A
Sample Status			<b>NORMAL</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*	>100	<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>50	<b>0</b>	0
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1
Aluminum	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Lead	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0.3	<b>0</b>	<1
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>0</b>	0
Manganese	ppm	ASTM D5185(m)	0.0	<b>0</b>	0
Magnesium	ppm	ASTM D5185(m)	0.1	<b>&lt;1</b>	<1
Calcium	ppm	ASTM D5185(m)	0.0	<b>1</b>	2
Phosphorus	ppm	ASTM D5185(m)	864	<b>230</b>	219
Zinc	ppm	ASTM D5185(m)	2.0	<b>&lt;1</b>	<1
Sulfur	ppm	ASTM D5185(m)	36	<b>420</b>	318
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

## CONTAMINANTS

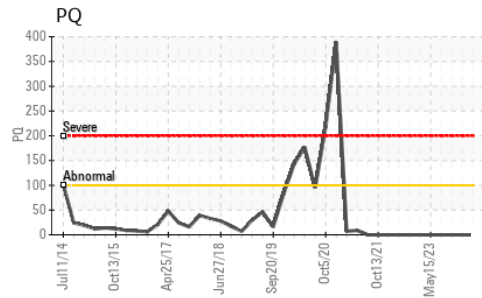
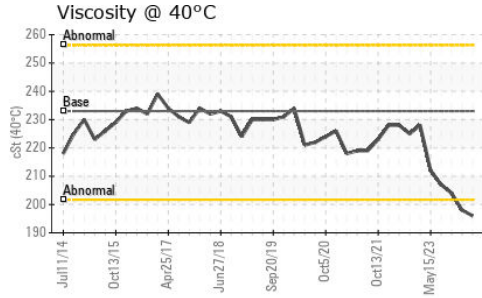
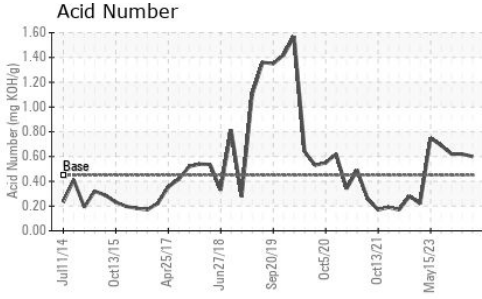
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>6</b>	5
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.45	<b>0.60</b>	0.62



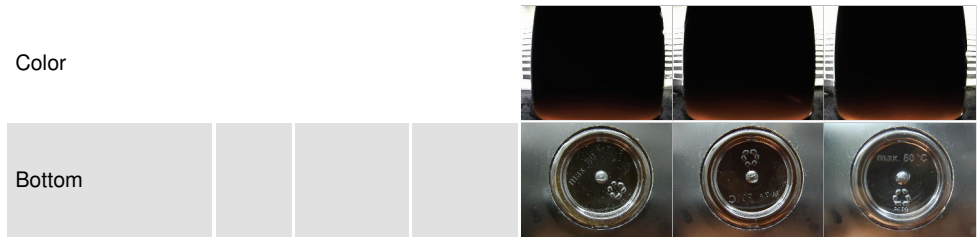
# OIL ANALYSIS REPORT



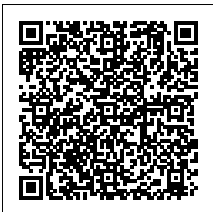
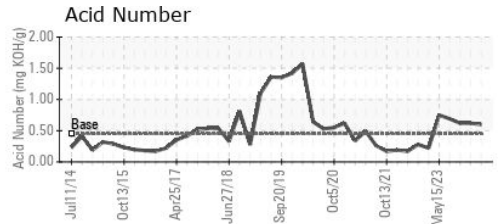
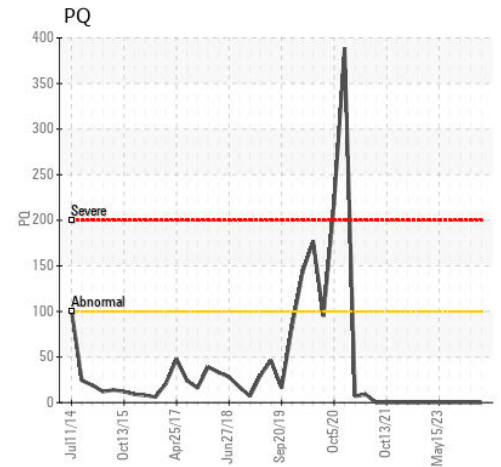
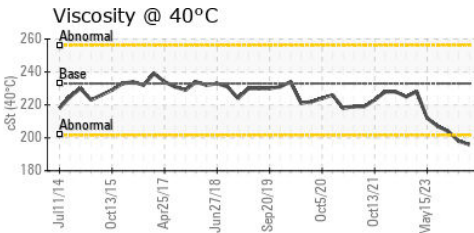
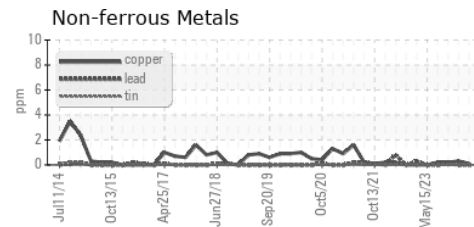
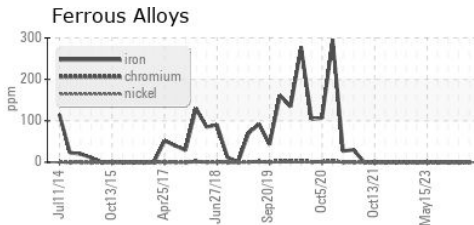
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	233	196	198

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.** : WC0925339 **Received** : 16 Apr 2024  
**Lab Number** : 02629383 **Tested** : 17 Apr 2024  
**Unique Number** : 5762515 **Diagnosed** : 17 Apr 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**ST. MARYS CEMENT CO.**  
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 CA L1C 7B5  
 Contact: Lou Traiforos  
 lou.traiforos@vcimentos.com  
 T: (905)440-5874  
 F: (905)623-4695

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.