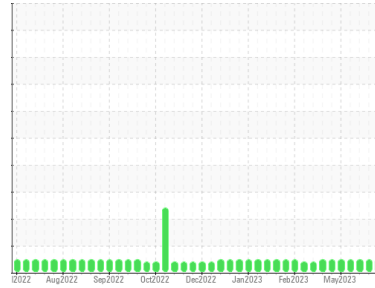




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**5**

Machine Id

**5-3-230-D Pump Station for Atox Roller Lube**

Component

**Reservoir Bearing Lube**

Fluid

**MOBIL SHC 639 (1000 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### 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>WC0822079</b>	WC0818218	WC0818141
Sample Date	Client Info		<b>12 Jun 2023</b>	05 Jun 2023	03 Jun 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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	<b>&lt;1</b>	<1
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0
Aluminum	ppm	ASTM D5185(m)	>4	<b>0</b>	<1
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	0
Copper	ppm	ASTM D5185(m)	>17	<b>0</b>	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0
Antimony	ppm	ASTM D5185(m)		<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)	0.2	<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)	0.6	<b>0</b>	<1
Calcium	ppm	ASTM D5185(m)	0.0	<b>0</b>	<1
Phosphorus	ppm	ASTM D5185(m)	691	<b>409</b>	420
Zinc	ppm	ASTM D5185(m)	2.0	<b>&lt;1</b>	<1
Sulfur	ppm	ASTM D5185(m)	18	<b>75</b>	107
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

## CONTAMINANTS

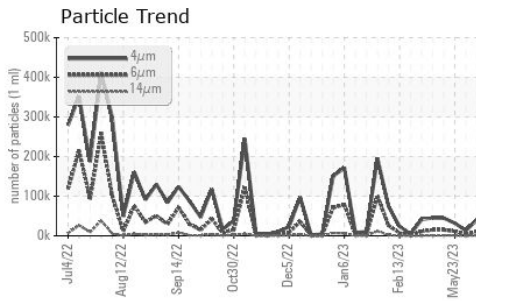
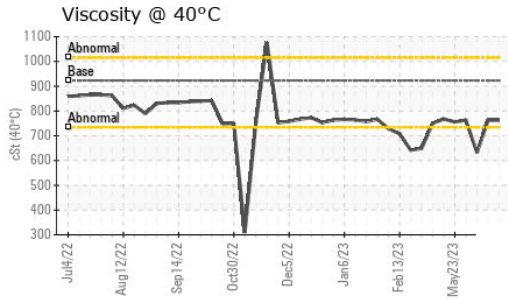
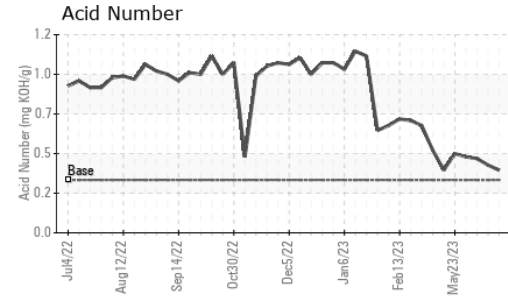
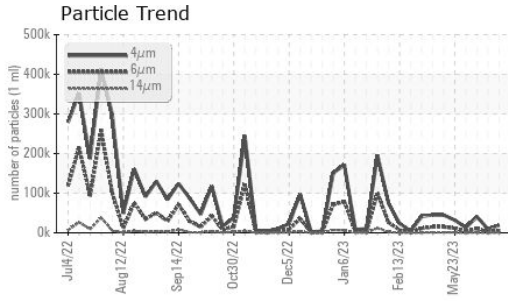
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>19</b>	20
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>18771</b>	9475	40360
Particles >6µm	ASTM D7647	>320000	<b>5518</b>	2378	10735
Particles >14µm	ASTM D7647	>160000	<b>336</b>	163	350
Particles >21µm	ASTM D7647	>40000	<b>88</b>	44	56
Particles >38µm	ASTM D7647	>10000	<b>3</b>	3	1
Particles >71µm	ASTM D7647	>2500	<b>0</b>	1	0
Oil Cleanliness	ISO 4406 (c)	>25/24	<b>20/16</b>	18/15	21/16

## FLUID DEGRADATION

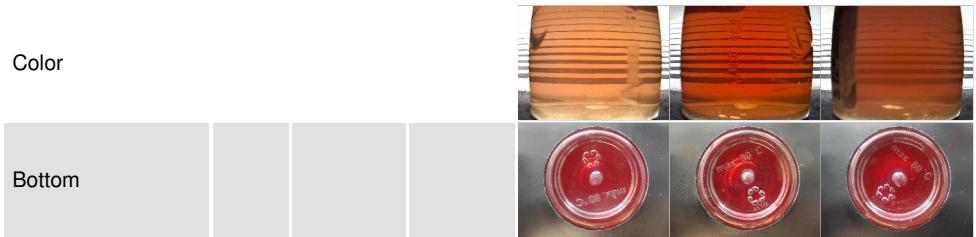
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.32	<b>0.38</b>	0.41



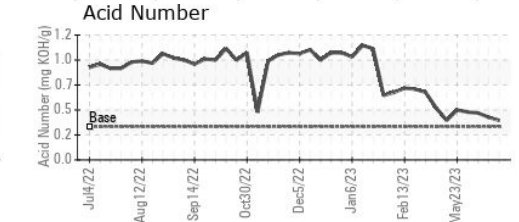
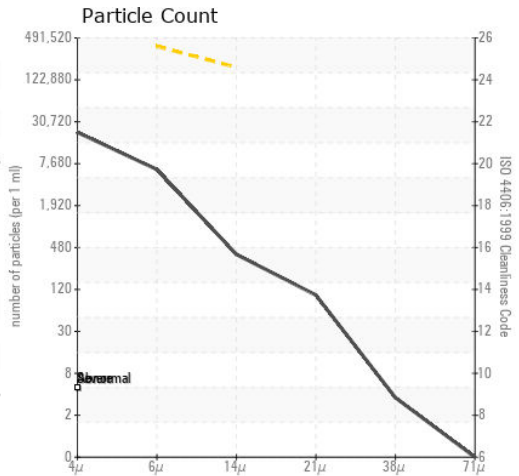
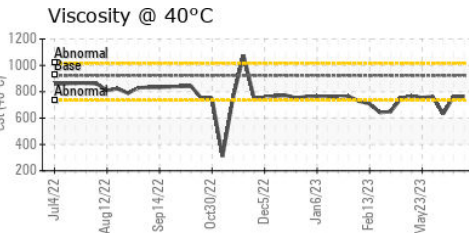
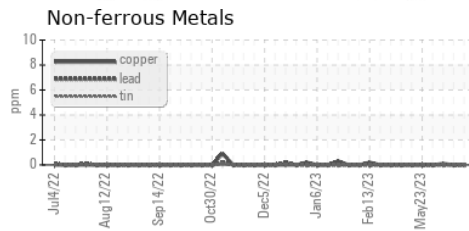
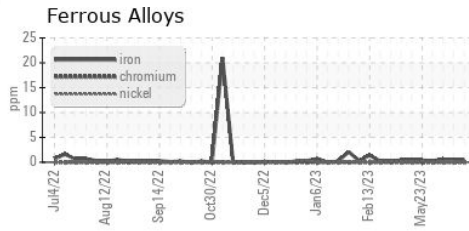
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	923	762	632

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. : WC0822079  
 Lab Number : 02564380  
 Unique Number : 5593421  
 Test Package : IND 2

**ST. MARYS CEMENT CO.**  
 400 BOWMANVILLE AVENUE  
 BOWMANVILLE, ON  
 CA L1C 7B5  
 Contact: Aleksandrs Cascins  
 Alex.Cascins@vcimentos.com  
 T: (905)623-3341  
 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.