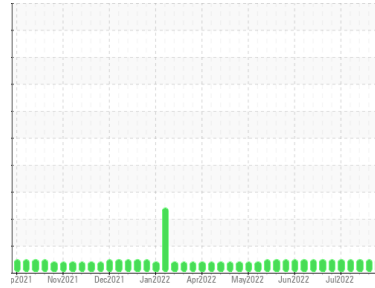




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**5**  
Machine Id  
**5-3-230-D%20Pump%20Station%20for%20Atox%20Roller%20Lube**

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>WC0714901</b>	WC0714897	WC0725779
Sample Date	Client Info	<b>12 Aug 2022</b>	02 Aug 2022	25 Jul 2022
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	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 >2	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >120	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >4	<b>0</b>	<1	1
Lead	ppm	ASTM D5185(m) >30	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m) >17	<b>0</b>	0	0
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<b>&lt;1</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) 0.2	<b>0</b>	<1	<1
Barium	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 0.6	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	3	13
Phosphorus	ppm	ASTM D5185(m) 691	<b>254</b>	247	240
Zinc	ppm	ASTM D5185(m) 2.0	<b>&lt;1</b>	<1	<1
Sulfur	ppm	ASTM D5185(m) 18	<b>693</b>	590	565
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

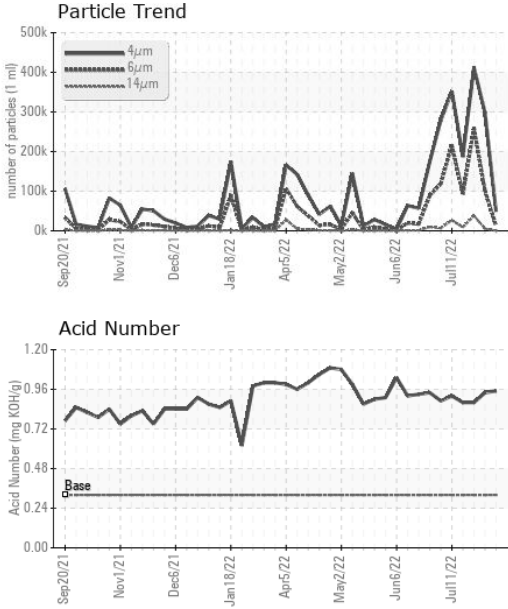
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >25	<b>2</b>	2	5
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1

## FLUID CLEANLINESS

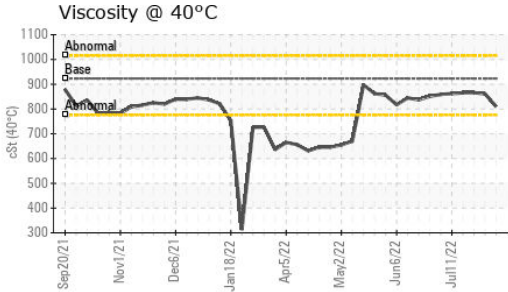
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>49291</b>	298513	412228
Particles >6µm	ASTM D7647 >320000	<b>12131</b>	101121	260163
Particles >14µm	ASTM D7647 >160000	<b>605</b>	5199	38185
Particles >21µm	ASTM D7647 >40000	<b>118</b>	916	7640
Particles >38µm	ASTM D7647 >10000	<b>3</b>	12	83
Particles >71µm	ASTM D7647 >2500	<b>0</b>	0	1
Oil Cleanliness	ISO 4406 (c) >25/24	<b>21/16</b>	24/20	25/22



# OIL ANALYSIS REPORT



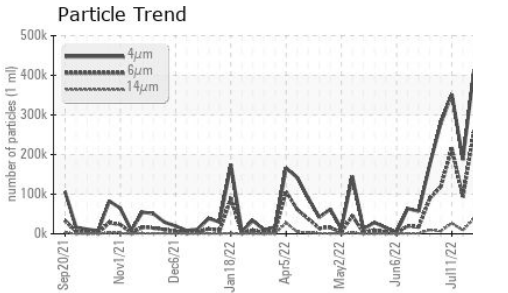
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.32	<b>0.95</b>	0.94	0.88
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>2	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG



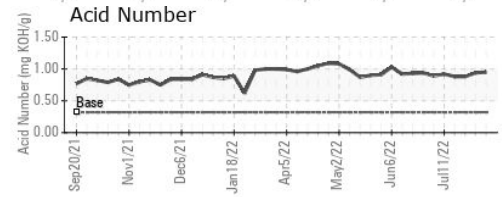
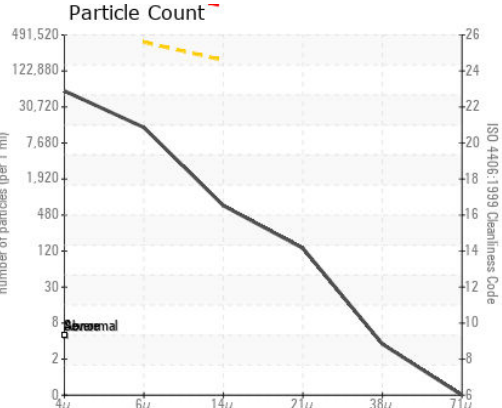
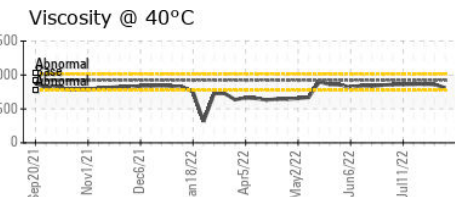
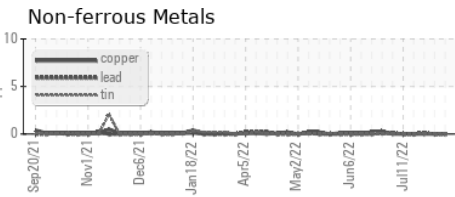
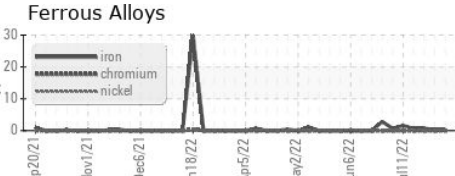
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	923	<b>810</b>	861	866

**SAMPLE IMAGES**

method	limit/base	current	history1	history2
Color				
Bottom				



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0714901 **Received** : 19 Aug 2022  
**Lab Number** : **02506292** **Diagnosed** : 22 Aug 2022  
**Unique Number** : 5447262 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**ST. MARYS CEMENT CO.**  
 400 BOWMANVILLE AVENUE  
 BOWMANVILLE, ON  
 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.