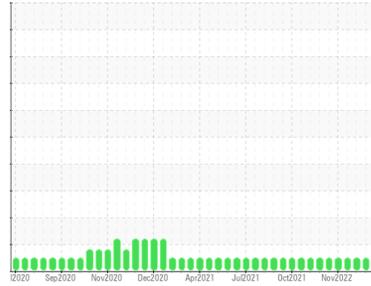




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

8

Machine Id

8-3-3017 FM #3 MAAG Gearbox

Component

Gearbox

Fluid

MOBIL MOBILGEAR 600 XP 320 (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	WC0869924	WC0842761	WC0818195
Sample Date	Client Info	29 Nov 2023	11 Sep 2023	17 May 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >200	5	6	5
Chromium	ppm ASTM D5185(m) >15	0	0	0
Nickel	ppm ASTM D5185(m) >15	<1	<1	0
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	<1	0	0
Aluminum	ppm ASTM D5185(m) >25	6	6	4
Lead	ppm ASTM D5185(m) >100	0	0	<1
Copper	ppm ASTM D5185(m) >200	<1	<1	<1
Tin	ppm ASTM D5185(m) >25	<1	1	2
Antimony	ppm ASTM D5185(m) >5	0	0	<1
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 57	3	3	4
Barium	ppm ASTM D5185(m) 0.0	<1	0	0
Molybdenum	ppm ASTM D5185(m) 2.0	0	0	0
Manganese	ppm ASTM D5185(m) 0.0	0	0	0
Magnesium	ppm ASTM D5185(m) 0.0	0	0	<1
Calcium	ppm ASTM D5185(m) 42	4	4	2
Phosphorus	ppm ASTM D5185(m) 399	182	217	238
Zinc	ppm ASTM D5185(m) 13	19	19	19
Sulfur	ppm ASTM D5185(m) 13649	8756	9091	9023
Lithium	ppm ASTM D5185(m)	<1	<1	<1

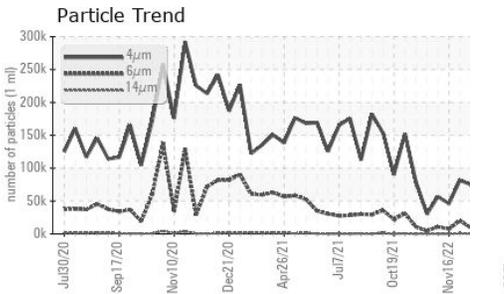
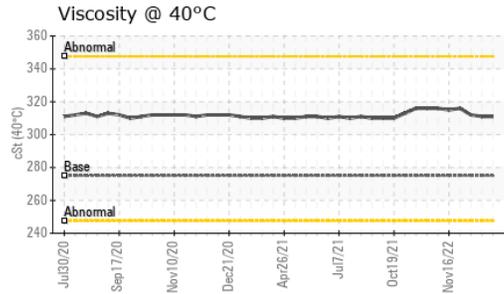
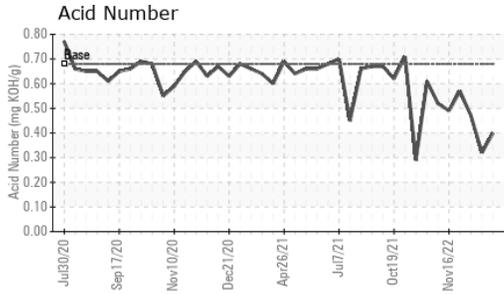
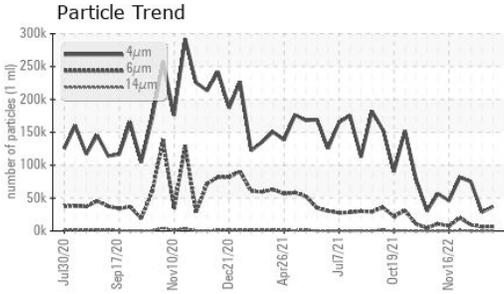
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	<1	2	<1
Sodium	ppm ASTM D5185(m)	<1	<1	<1
Potassium	ppm ASTM D5185(m) >20	0	0	<1

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	37241	28596	74820
Particles >6µm	ASTM D7647 >320000	6659	6435	9276
Particles >14µm	ASTM D7647 >160000	111	409	110
Particles >21µm	ASTM D7647 >40000	15	94	17
Particles >38µm	ASTM D7647 >10000	1	1	0
Particles >71µm	ASTM D7647 >2500	1	1	0
Oil Cleanliness	ISO 4406 (c) >--/25/24	22/20/14	22/20/16	23/20/14

OIL ANALYSIS REPORT

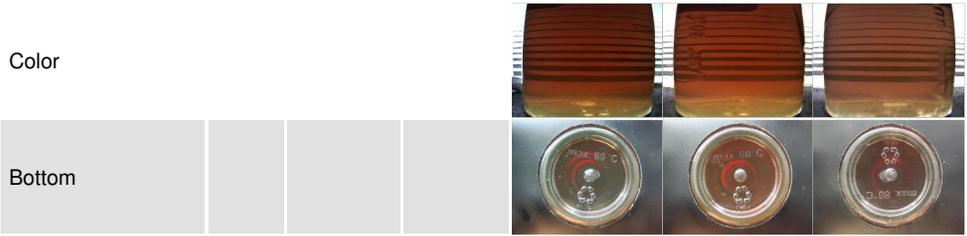


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.68	0.40	0.32	0.47

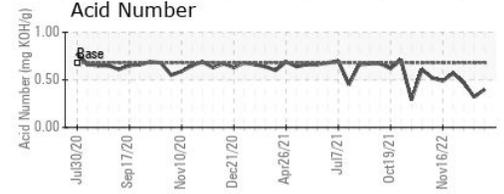
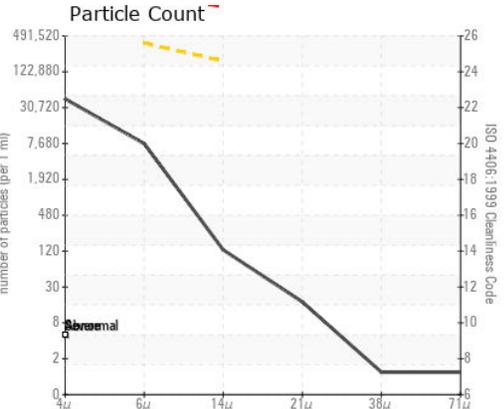
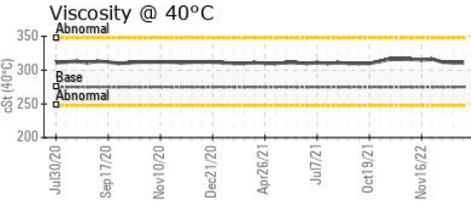
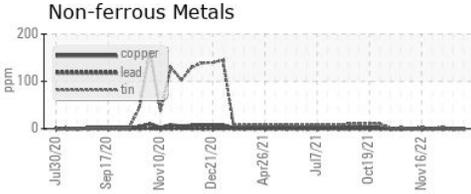
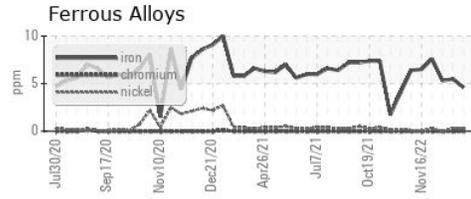
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	275	311	311	312

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0869924
Lab Number : 02602007
Unique Number : 5695092
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.