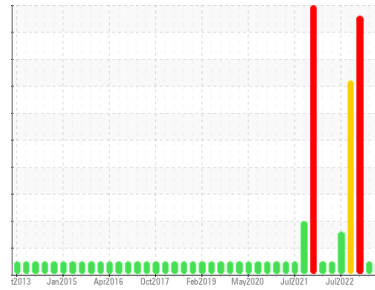




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

8

Machine Id

8-2-301-B FM #2 Trunion - Feed End

Component

Journal Bearing

Fluid

MOBIL MOBILGEAR SHC 460 (350 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			WC0869917	WC0842752	WC0818188
Sample Date	Client Info			29 Nov 2023	11 Sep 2023	17 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>2	NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>60	10	6	36
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>4	2	1	3
Lead	ppm	ASTM D5185(m)	>250	2	1	▲ 31
Copper	ppm	ASTM D5185(m)	>125	3	2	▲ 38
Tin	ppm	ASTM D5185(m)	>80	30	18	■ 576
Antimony	ppm	ASTM D5185(m)		4	2	■ 74
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	<1

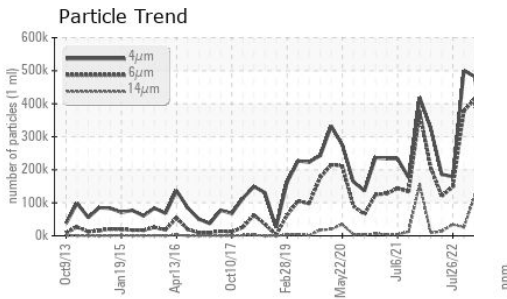
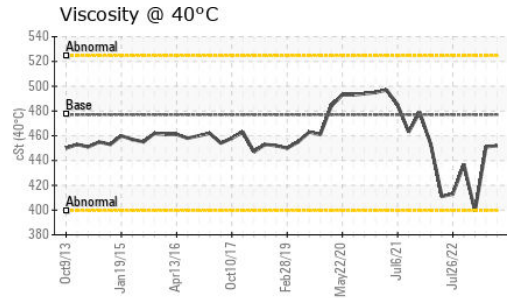
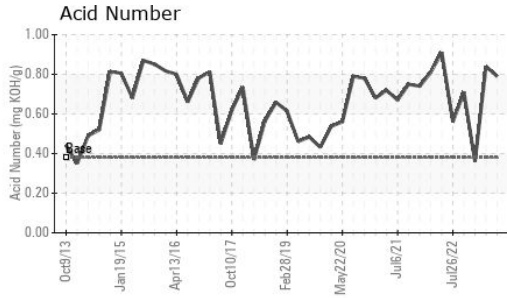
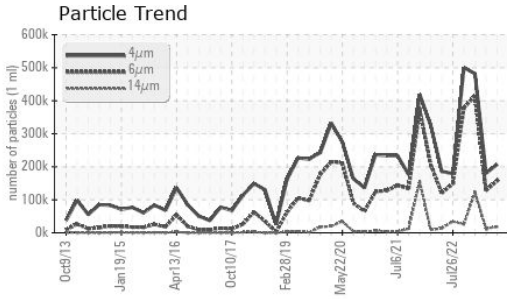
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5.7	11	13	4
Barium	ppm	ASTM D5185(m)	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	0	0	0
Manganese	ppm	ASTM D5185(m)	0.0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	0.0	1	<1	3
Calcium	ppm	ASTM D5185(m)	0.0	36	16	83
Phosphorus	ppm	ASTM D5185(m)	180	376	403	364
Zinc	ppm	ASTM D5185(m)	0.8	1	2	1
Sulfur	ppm	ASTM D5185(m)	4270	4452	4550	6520
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	7	4	10
Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	2	2	5

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		207148	180244	481755
Particles >6µm		ASTM D7647	>320000	157429	128386	▲ 415407
Particles >14µm		ASTM D7647	>160000	17717	13359	122612
Particles >21µm		ASTM D7647	>40000	882	1039	17041
Particles >38µm		ASTM D7647	>10000	1	2	1
Particles >71µm		ASTM D7647	>2500	1	1	0
Oil Cleanliness		ISO 4406 (c)	>--/25/24	25/24/21	25/24/21	▲ 26/26/24



OIL ANALYSIS REPORT

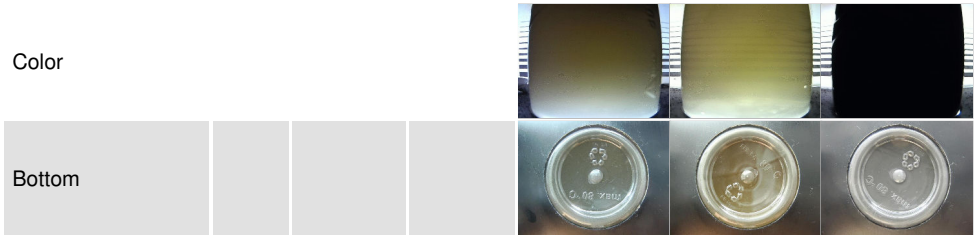


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	0.38	0.79	0.84	0.36

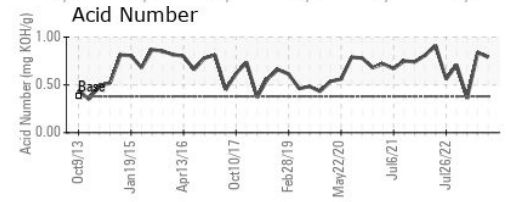
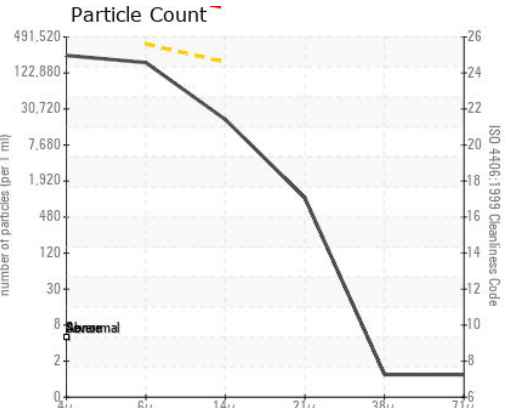
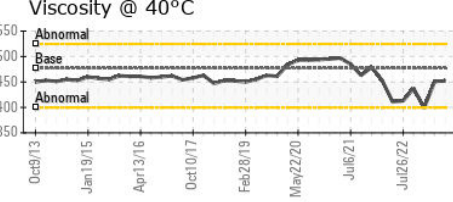
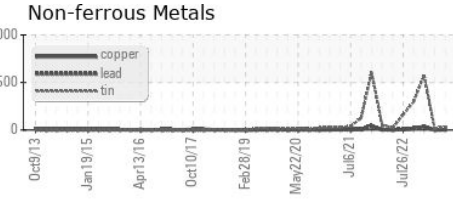
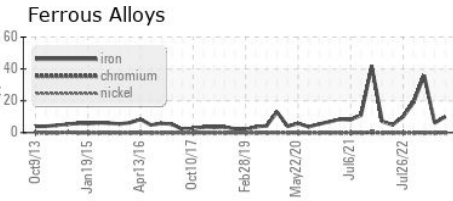
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	LIGHT
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>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)	477	452	451	399

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. : WC0869917
 Lab Number : **02602005**
 Unique Number : 5695090
 Test Package : IND 2 (Additional Tests: TAN Man)

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.

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