



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[SWO-071558]

Machine Id

EPIROC TMG21SED0165

Component

Rear Left Final Drive

Fluid

MOBIL MOBILGEAR SHC 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP453708	VCP438686	VCP444477
Sample Date		Client Info		01 May 2024	28 Mar 2024	13 Feb 2024
Machine Age	hrs	Client Info		5608	5235	4946
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	138	345	177
Chromium	ppm	ASTM D5185m	>10	2	4	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	16	10
Lead	ppm	ASTM D5185m	>25	12	23	15
Copper	ppm	ASTM D5185m	>50	7	20	12
Tin	ppm	ASTM D5185m	>10	0	1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

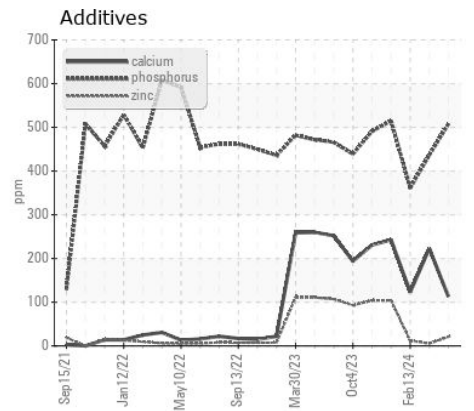
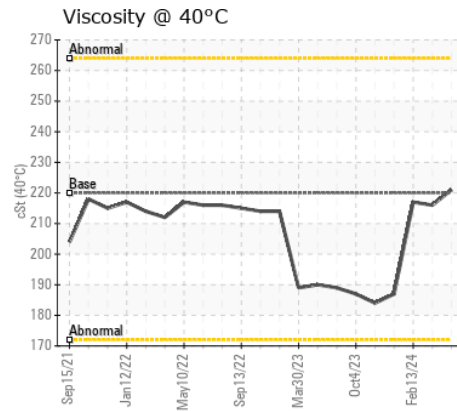
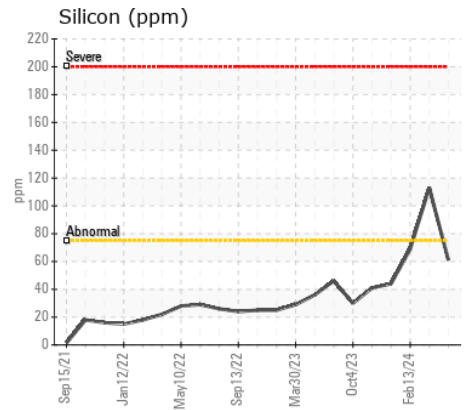
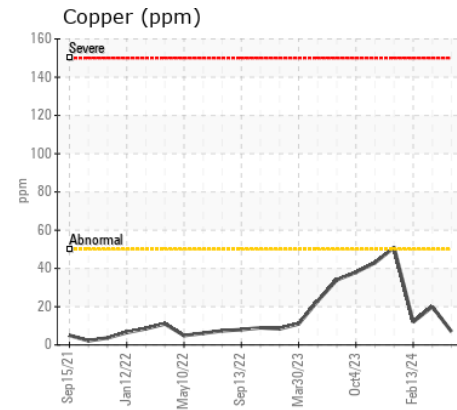
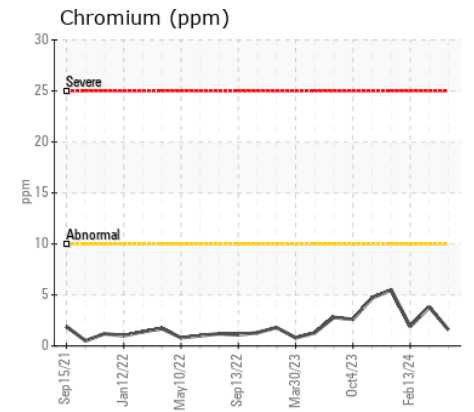
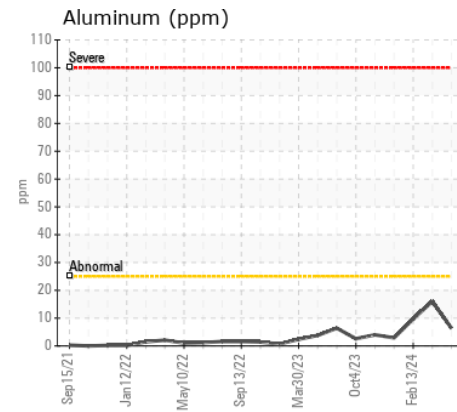
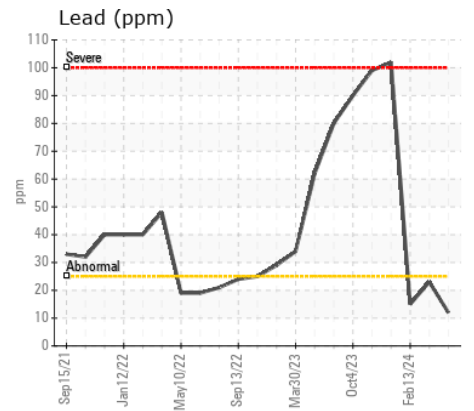
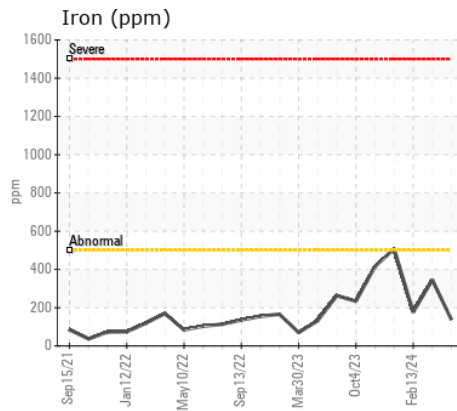
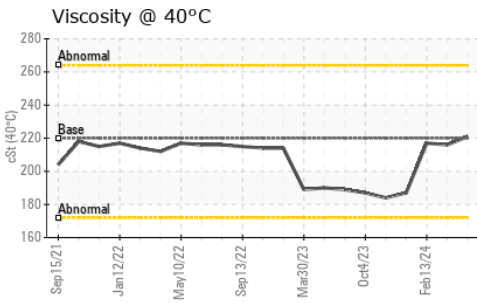
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	61	113	69
Potassium	ppm	ASTM D5185m	>20	2	4	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m		2	2	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		1	3	2
Magnesium	ppm	ASTM D5185m		3	2	2
Calcium	ppm	ASTM D5185m		113	223	123
Phosphorus	ppm	ASTM D5185m		508	437	362
Zinc	ppm	ASTM D5185m		21	5	12
Sulfur	ppm	ASTM D5185m		3349	2666	1884
Visc @ 40°C	cSt	ASTM D445	220	221	216	217



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP453708
Lab Number : 06174243
Unique Number : 11020296
Test Package : MOB 1

Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 13 May 2024 - Angela Borella

SAIIA CONSTRUCTION LLC
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 BIRMINGHAM, AL
 US 35207

Contact: STEPHANI BRITTON
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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