MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
7 FT STANDARD 52004
Component
Hydraulic System
Fluid
SHELL OMALA S2 GX 68 (250 GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

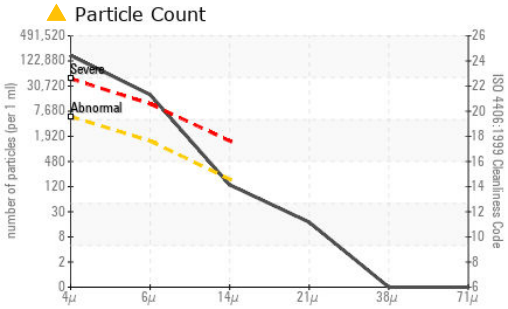
CONTAMINATION

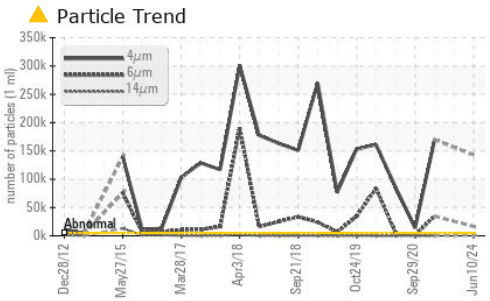
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

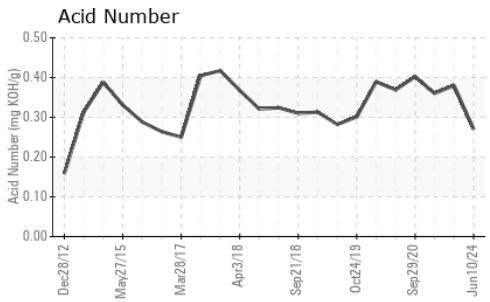
FLUID CONDITION

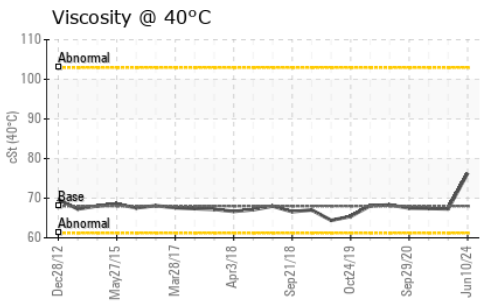
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

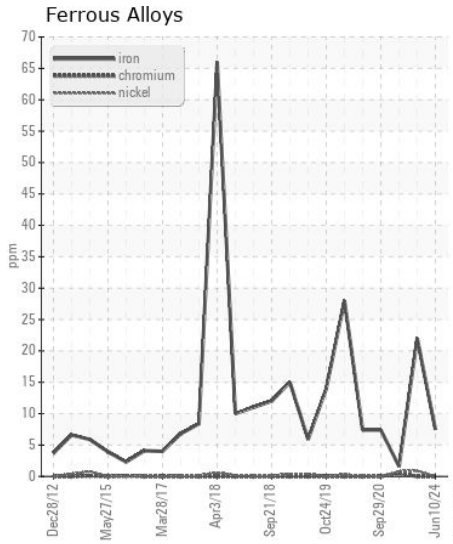
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0954127	WC0823304	WC0823296
Sample Date		Client Info		10 Jun 2024	30 Nov 2023	02 Oct 2023
Machine Age	hrs	Client Info		15214	14405	14405
Oil Age	hrs	Client Info		349	1282	957
Filter Age	hrs	Client Info		349	325	304
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	8	▲ 22	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	3
Lead	ppm	ASTM D5185m	>10	10	▲ 68	0
Copper	ppm	ASTM D5185m	>75	17	▲ 156	0
Tin	ppm	ASTM D5185m	>10	<1	▲ 6	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	3	4	4
Potassium	ppm	ASTM D5185m	>20	0	<1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 142723	---	▲ 170111
Particles >6µm		ASTM D7647	>1300	▲ 16565	---	▲ 34847
Particles >14µm		ASTM D7647	>160	117	---	68
Particles >21µm		ASTM D7647	>40	15	---	9
Particles >38µm		ASTM D7647	>10	0	---	1
Particles >71µm		ASTM D7647	>3	0	---	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/21/14	---	▲ 25/22/13
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	● HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%	NEG
Sodium	ppm	ASTM D5185m		2	0	14
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	6	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	9
Calcium	ppm	ASTM D5185m		9	0	2108
Phosphorus	ppm	ASTM D5185m		260	209	464
Zinc	ppm	ASTM D5185m		21	0	802
Sulfur	ppm	ASTM D5185m		9626	6746	2809
Acid Number (AN)	mg KOH/g	ASTM D8045		0.27	0.38	0.36
Visc @ 40°C	cSt	ASTM D445	68	76.3	67.3	67.4

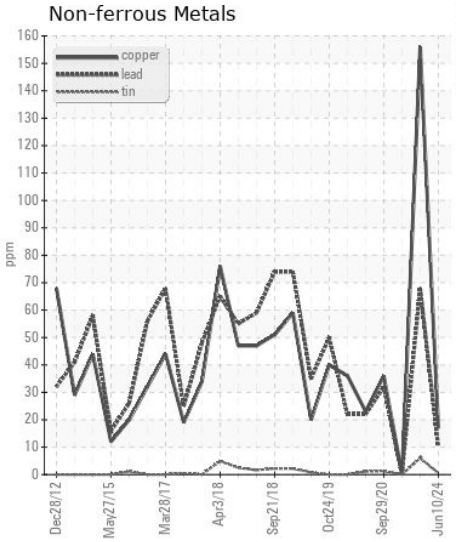


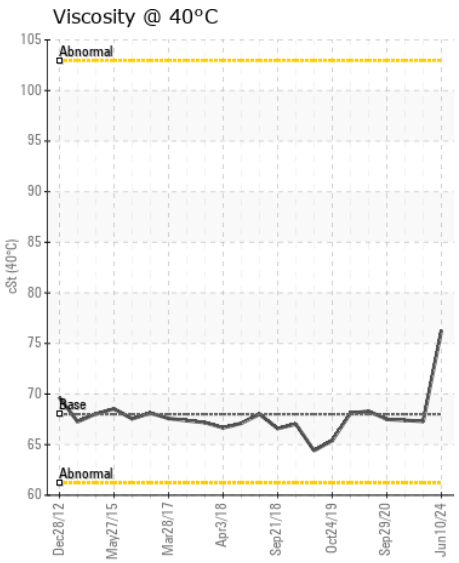


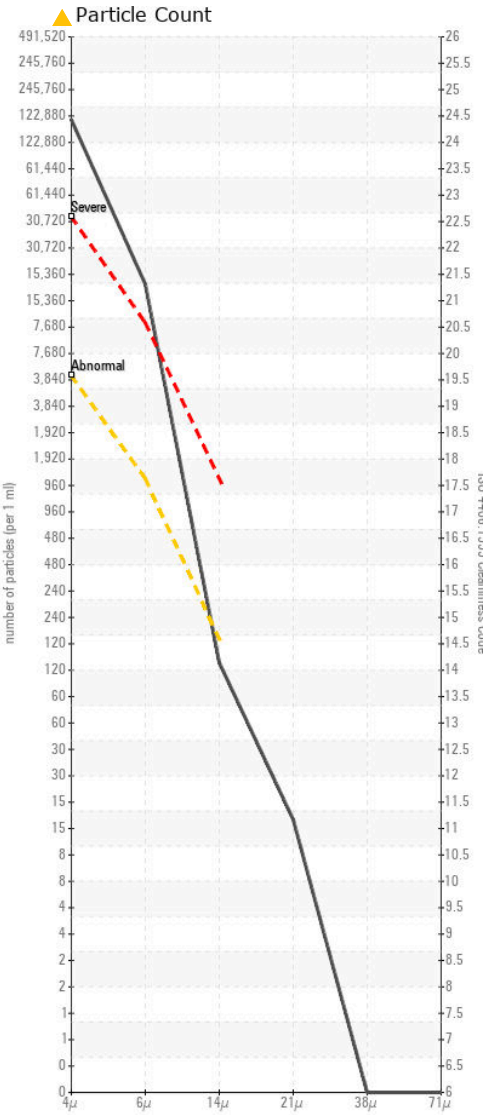


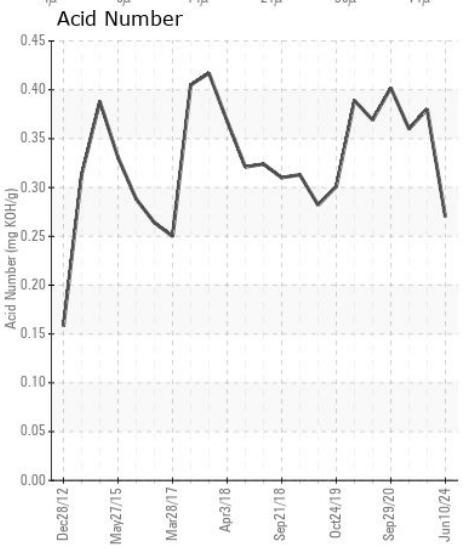












Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: WC0954127	**Received**	: 17 Jun 2024
Lab Number	: 06212307	**Tested**	: 19 Jun 2024
Unique Number	: 11085171	**Diagnosed**	: 20 Jun 2024 - Jonathan Hester
Test Package	: MOB 2		

Certificate L2367

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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