



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
6432 6432
 Component
Hydraulic System
 Fluid
MOBIL MOBILFLUID 424 (25 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0861783	WC0862106	WC0835043
Sample Date		Client Info		17 Jan 2024	26 Sep 2023	04 Aug 2023
Machine Age	hrs	Client Info		12204	11593	11305
Oil Age	hrs	Client Info		648	986	698
Filter Age	hrs	Client Info		648	986	698
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	0	3	2
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>75	2	2	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

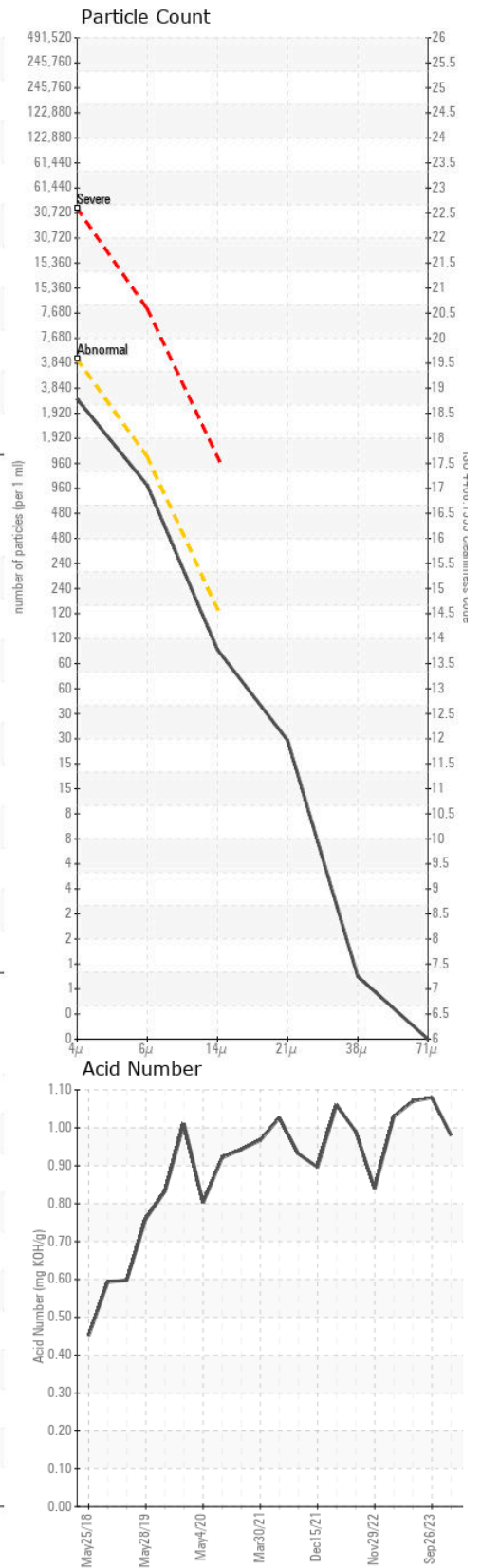
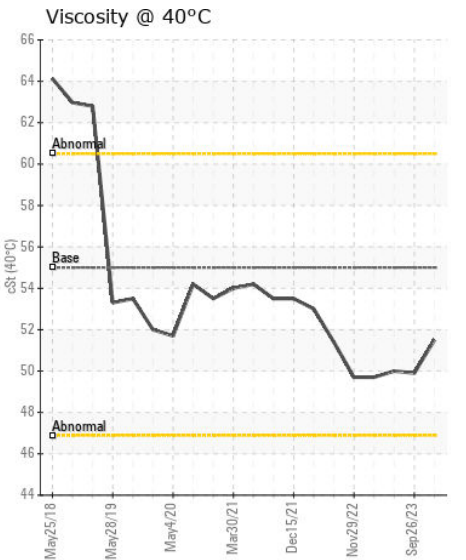
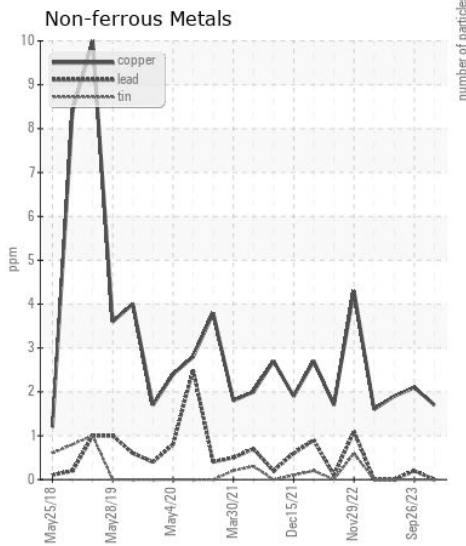
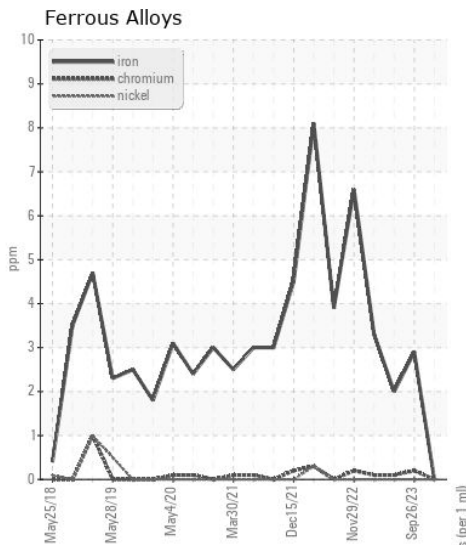
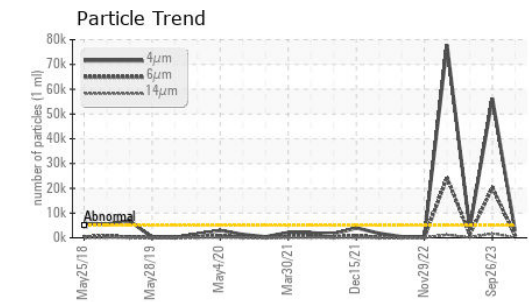
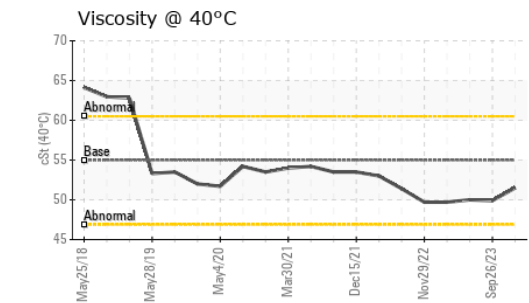
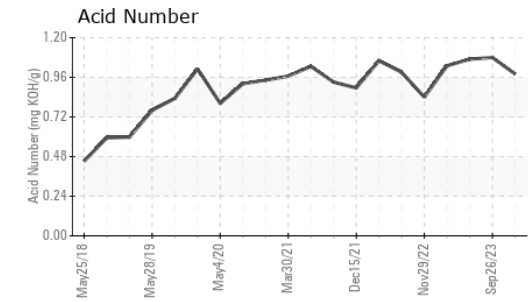
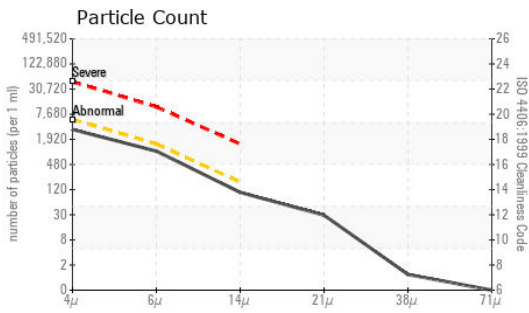
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	10	11	9
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2889	▲ 56201	3916
Particles >6µm		ASTM D7647	>1300	879	▲ 20189	▲ 1362
Particles >14µm		ASTM D7647	>160	91	▲ 1686	86
Particles >21µm		ASTM D7647	>40	26	▲ 378	13
Particles >38µm		ASTM D7647	>10	1	9	1
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14	▲ 23/22/18	▲ 19/18/14
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m		101	128	121
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		12	20	20
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		85	55	59
Calcium	ppm	ASTM D5185m		3018	3357	3413
Phosphorus	ppm	ASTM D5185m		1037	1090	1084
Zinc	ppm	ASTM D5185m		1267	1367	1385
Sulfur	ppm	ASTM D5185m		6366	7612	8867
Acid Number (AN)	mg KOH/g	ASTM D8045		0.98	1.08	1.07
Visc @ 40°C	cSt	ASTM D445	55	51.5	49.9	50.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861783 **Received** : 19 Jan 2024
Lab Number : 06065549 **Diagnosed** : 23 Jan 2024
Unique Number : 10836931 **Diagnostician** : Don Baldrige
Test Package : CONST

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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