



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

6462 6462

Component

Hydraulic System

Fluid

MOBIL MOBILFLUID 424 (20 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0902845	WC0885846	WC0852514
Sample Date		Client Info		21 Feb 2024	18 Dec 2023	07 Sep 2023
Machine Age	hrs	Client Info		2976	2637	1972
Oil Age	hrs	Client Info		595	665	894
Filter Age	hrs	Client Info		595	665	894
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		Changed	Not Chngd	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	2	3	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>10	1	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	2	1	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

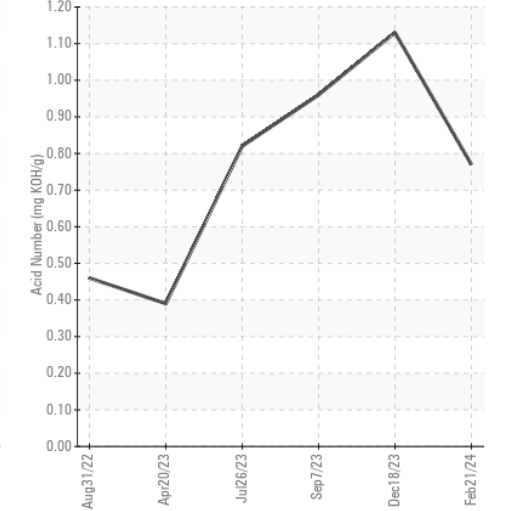
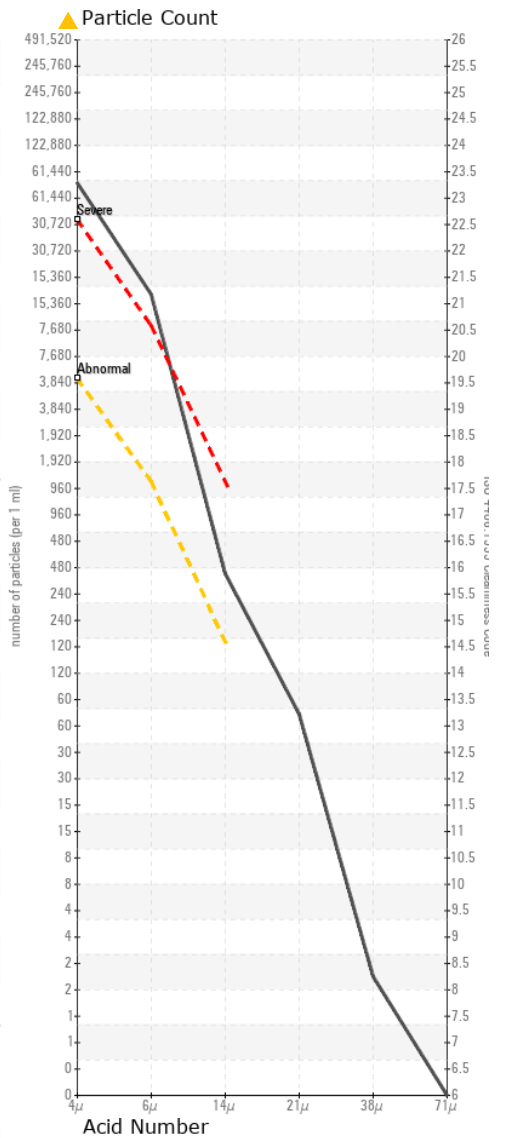
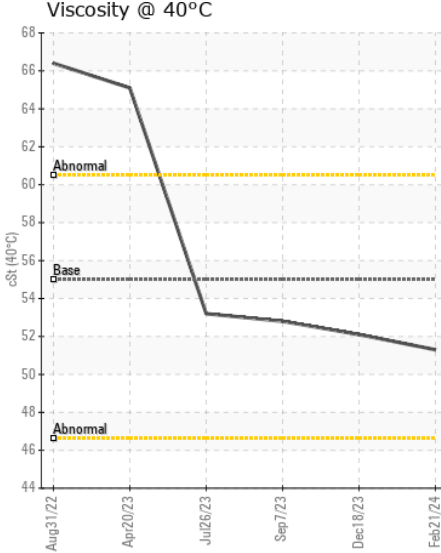
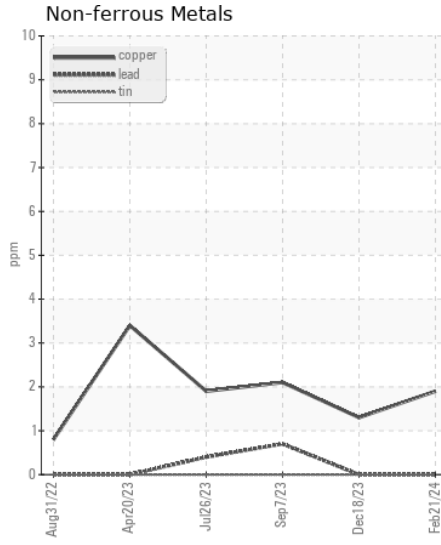
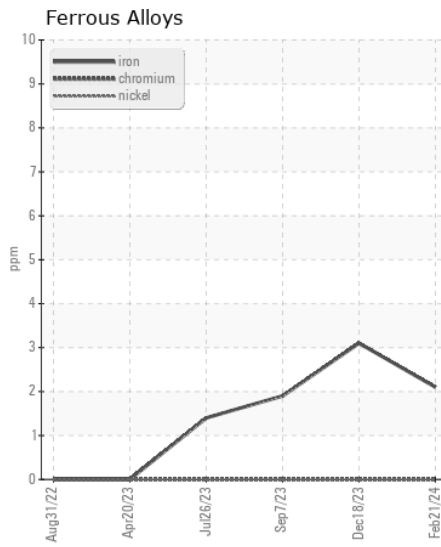
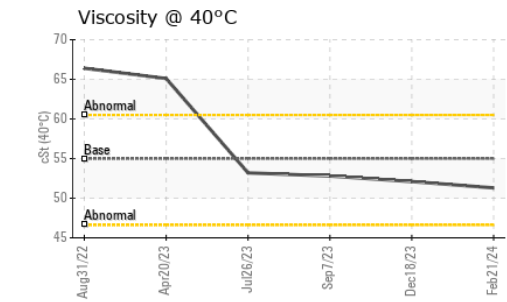
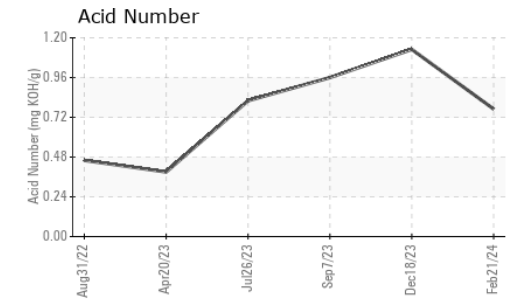
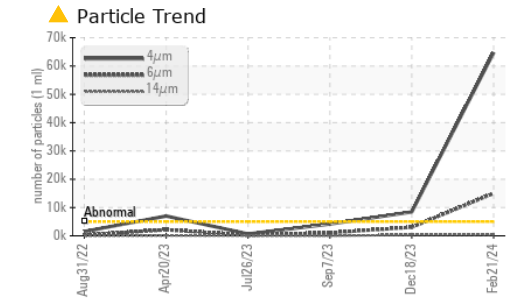
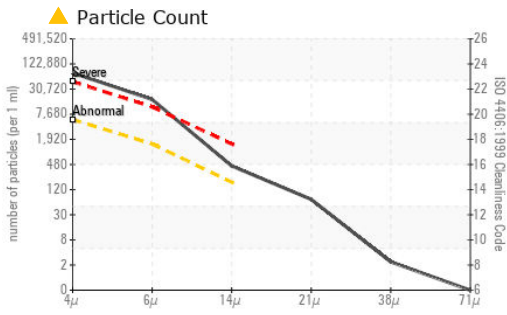
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	9	10	7
Potassium	ppm	ASTM D5185m	>20	0	1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 64723	▲ 8440	4167
Particles >6µm		ASTM D7647	>1300	▲ 15035	▲ 3039	1064
Particles >14µm		ASTM D7647	>160	▲ 390	▲ 320	45
Particles >21µm		ASTM D7647	>40	▲ 62	▲ 98	8
Particles >38µm		ASTM D7647	>10	2	8	1
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 23/21/16	▲ 20/19/15	19/17/13
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	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 oil is suitable for further service.

Sodium	ppm	ASTM D5185m		8	0	2
Boron	ppm	ASTM D5185m		109	120	106
Barium	ppm	ASTM D5185m		0	6	0
Molybdenum	ppm	ASTM D5185m		10	12	19
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		60	59	40
Calcium	ppm	ASTM D5185m		3179	3181	2830
Phosphorus	ppm	ASTM D5185m		1084	1181	960
Zinc	ppm	ASTM D5185m		1360	1367	1236
Sulfur	ppm	ASTM D5185m		7043	8386	7875
Acid Number (AN)	mg KOH/g	ASTM D8045		0.77	1.13	0.96
Visc @ 40°C	cSt	ASTM D445	55	51.3	52.1	52.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0902845 **Received** : 28 Feb 2024
Lab Number : 06102851 **Tested** : 29 Feb 2024
Unique Number : 10901081 **Diagnosed** : 29 Feb 2024 - Don Baldrige
Test Package : CONST

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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)