



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
6401 6401
 Component
Hydraulic System
 Fluid
MOBIL MOBILFLUID 424 (23 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0861780	WC0862064	WC0740792
Sample Date		Client Info		17 Jan 2024	05 Oct 2023	02 Mar 2023
Machine Age	hrs	Client Info		9813	9351	8749
Oil Age	hrs	Client Info		465	597	1490
Filter Age	hrs	Client Info		465	597	1490
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	0	3	6
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	1
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>75	67	▲ 157	■ 296
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

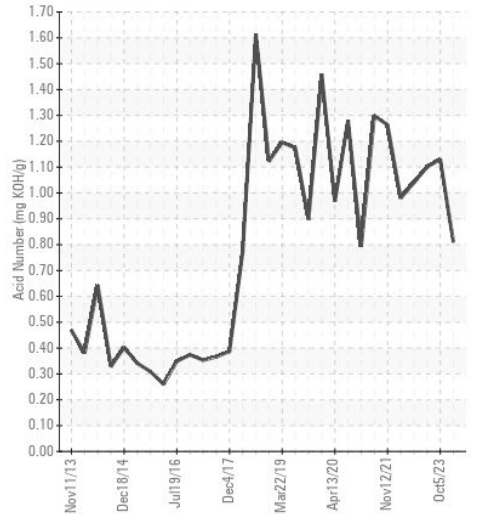
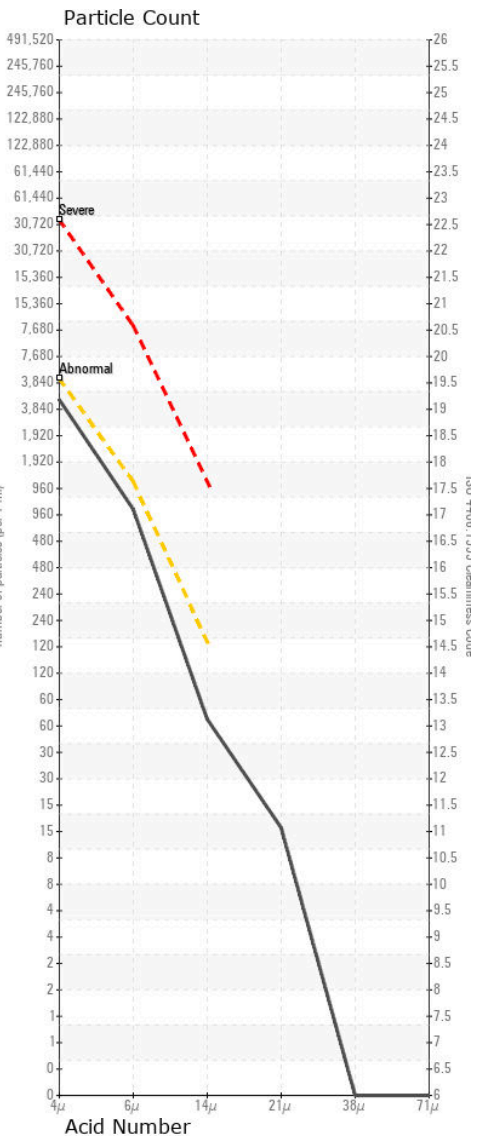
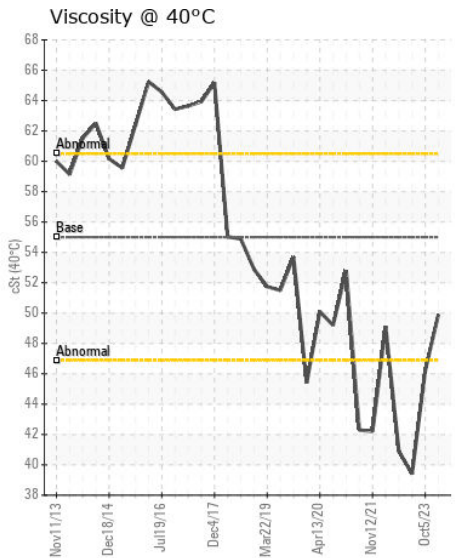
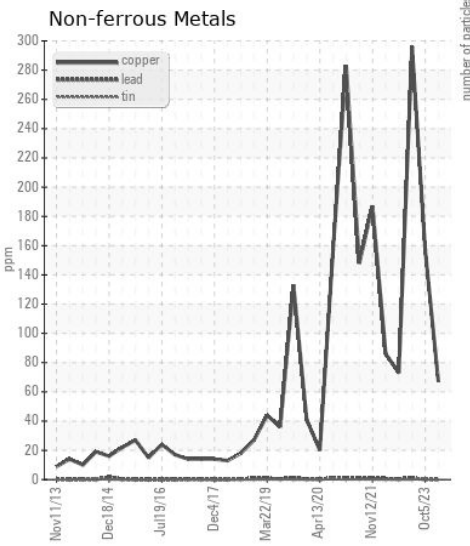
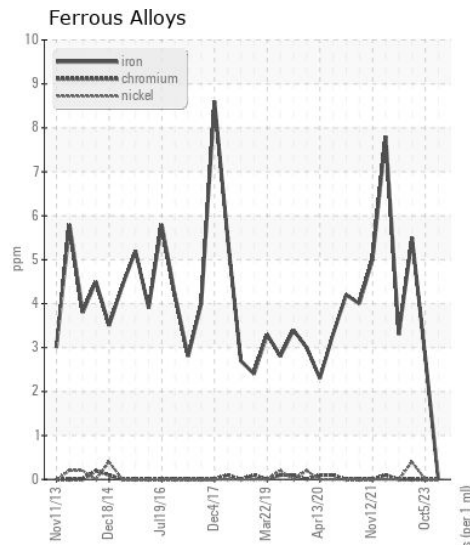
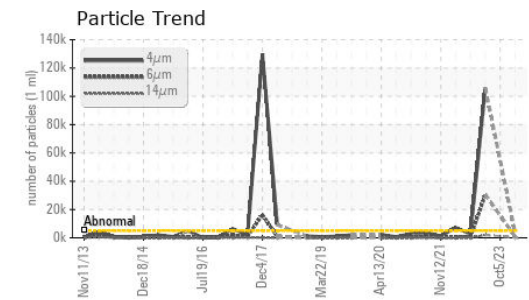
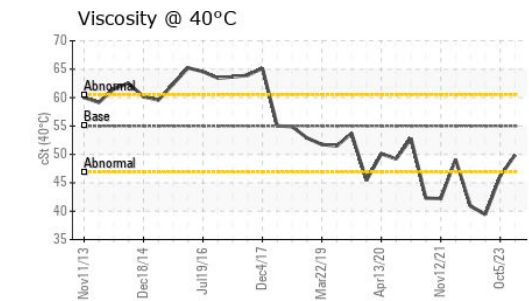
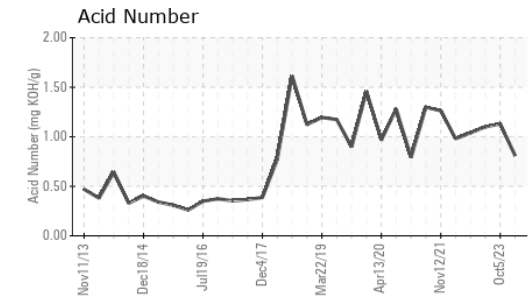
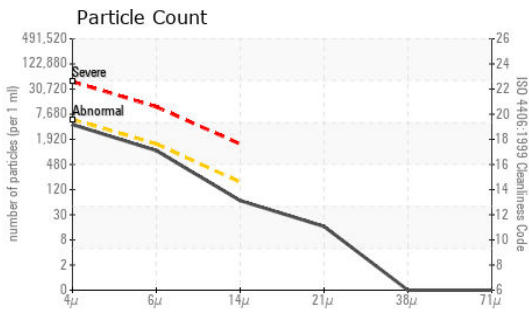
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	10	10	8
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	3795	---	▲ 105686
Particles >6µm		ASTM D7647	>1300	905	---	▲ 30556
Particles >14µm		ASTM D7647	>160	58	---	▲ 1941
Particles >21µm		ASTM D7647	>40	14	---	▲ 528
Particles >38µm		ASTM D7647	>10	0	---	▲ 62
Particles >71µm		ASTM D7647	>3	0	---	▲ 4
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/13	---	▲ 24/22/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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		0	2	1
Boron	ppm	ASTM D5185m		100	100	79
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		12	15	6
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		61	67	96
Calcium	ppm	ASTM D5185m		3001	2931	2403
Phosphorus	ppm	ASTM D5185m		1046	1043	895
Zinc	ppm	ASTM D5185m		1246	1224	1056
Sulfur	ppm	ASTM D5185m		6393	6346	3799
Acid Number (AN)	mg KOH/g	ASTM D8045		0.81	1.13	1.10
Visc @ 40°C	cSt	ASTM D445	55	49.9	46.2	39.41



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861780 **Received** : 19 Jan 2024
Lab Number : 06065552 **Diagnosed** : 23 Jan 2024
Unique Number : 10836934 **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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