



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
6407 6407
 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		WC0918957	WC0885853	WC0771081
Sample Date		Client Info		16 Apr 2024	13 Dec 2023	06 Jul 2023
Machine Age	hrs	Client Info		17997	17466	16926
Oil Age	hrs	Client Info		1071	540	2011
Filter Age	hrs	Client Info		1071	540	2011
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	2	3	3
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	2	3
Lead	ppm	ASTM D5185m	>10	1	<1	<1
Copper	ppm	ASTM D5185m	>75	9	5	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

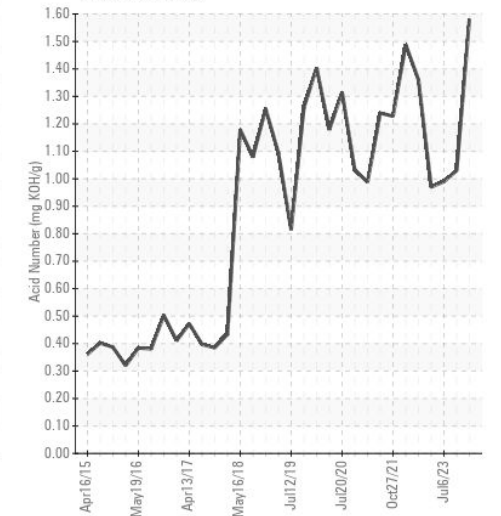
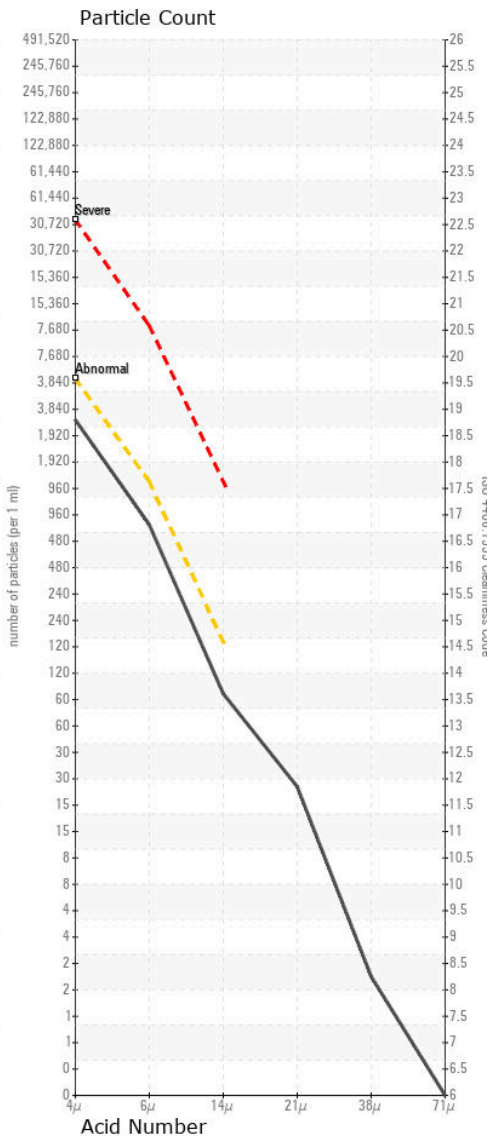
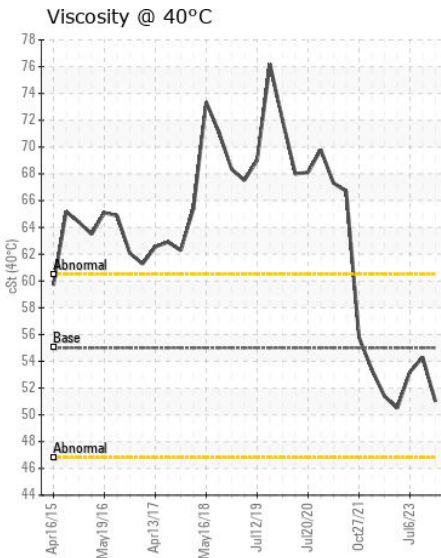
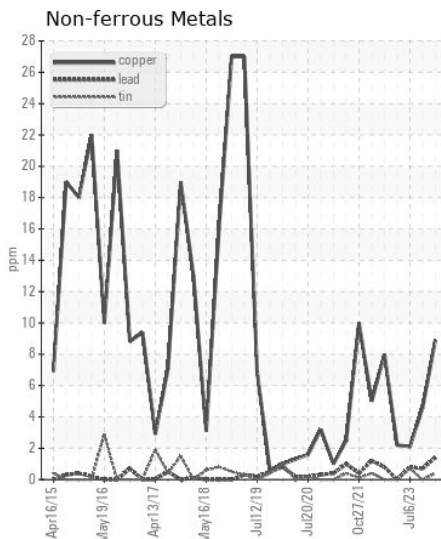
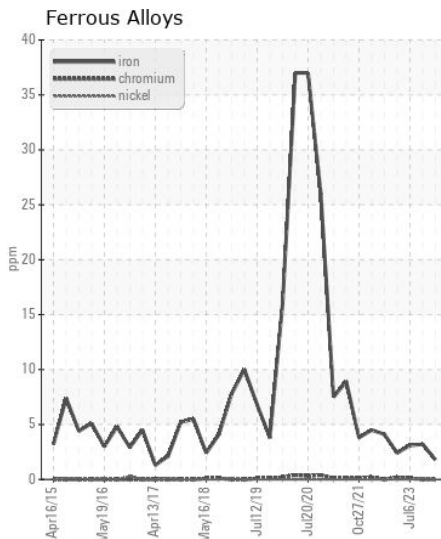
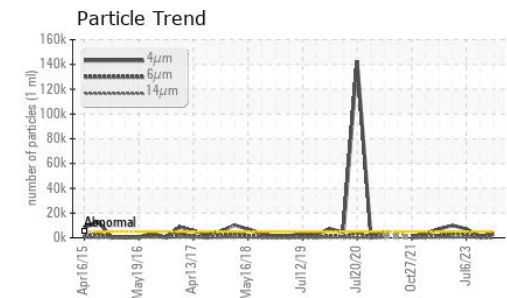
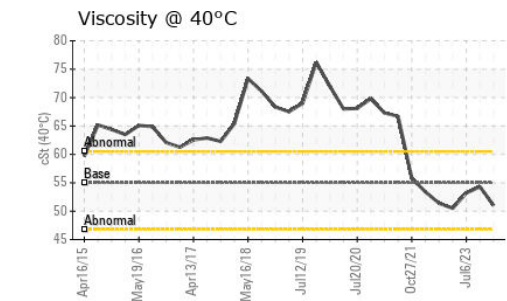
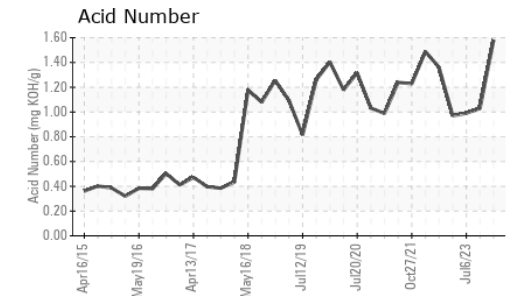
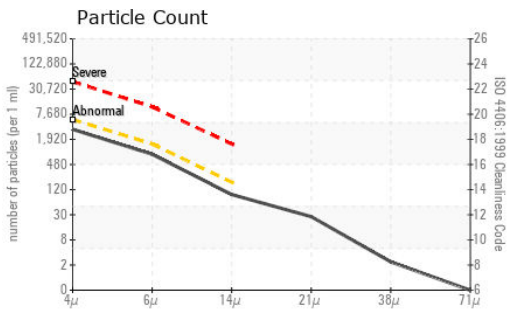
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	11	13	10
Potassium	ppm	ASTM D5185m	>20	<1	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2918	1241	▲ 7268
Particles >6µm		ASTM D7647	>1300	740	200	▲ 2733
Particles >14µm		ASTM D7647	>160	81	7	▲ 337
Particles >21µm		ASTM D7647	>40	24	1	▲ 101
Particles >38µm		ASTM D7647	>10	2	0	4
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14	17/15/10	▲ 20/19/16
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		3	1	<1
Boron	ppm	ASTM D5185m		148	125	142
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		17	16	21
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		56	57	58
Calcium	ppm	ASTM D5185m		3466	3414	3504
Phosphorus	ppm	ASTM D5185m		1198	1139	1155
Zinc	ppm	ASTM D5185m		1403	1438	1465
Sulfur	ppm	ASTM D5185m		9026	7993	9998
Acid Number (AN)	mg KOH/g	ASTM D8045		1.58	1.03	0.99
Visc @ 40°C	cSt	ASTM D445	55	51.0	54.3	53.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0918957
 Lab Number : 06154190
 Unique Number : 10989613
 Test Package : CONST

Received : 19 Apr 2024
 Tested : 22 Apr 2024
 Diagnosed : 23 Apr 2024 - Don Baldrige

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509

Contact: Leigh Dennis
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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)