



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Mobile Fleet

Machine Id
6452 6452

Hydraulic System

Fluid
MOBIL MOBILFLUID 424 (20 GAL)

RECOMMENDATION

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		WC0939242	WC0861888	WC0867195
Sample Date		Client Info		23 May 2024	11 Jan 2024	23 Oct 2023
Machine Age	hrs	Client Info		7960	7401	7036
Oil Age	hrs	Client Info		559	1035	670
Filter Age	hrs	Client Info		559	1035	670
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

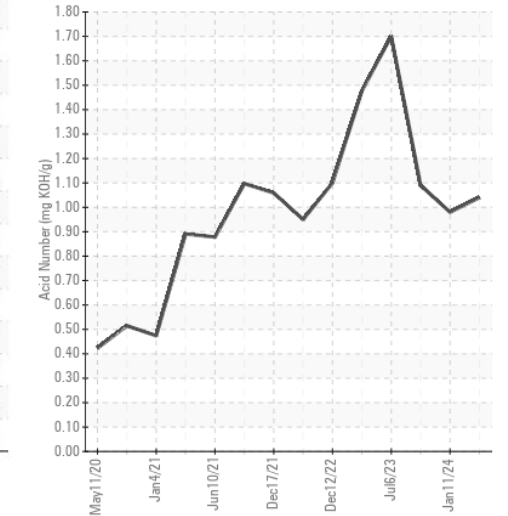
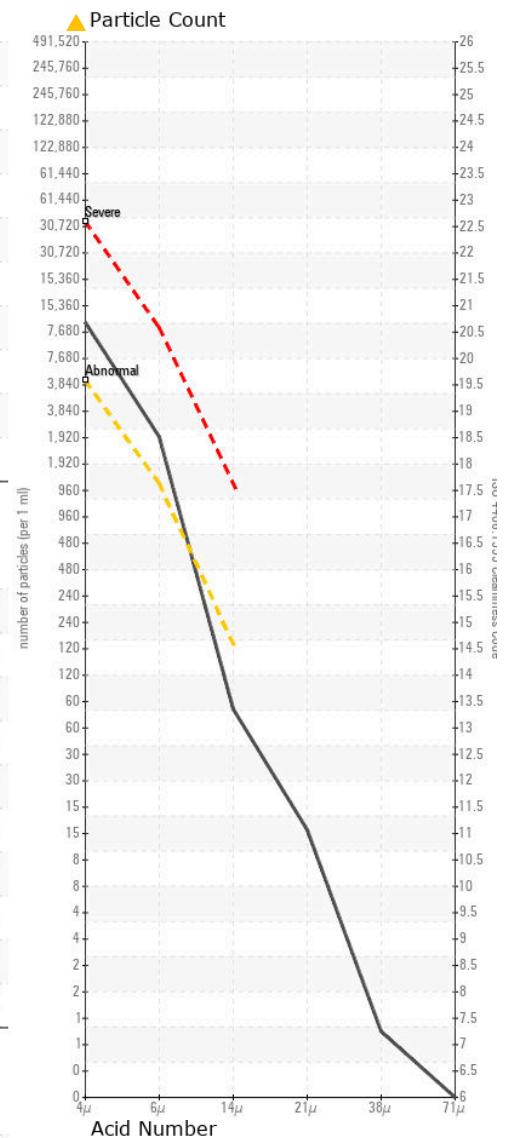
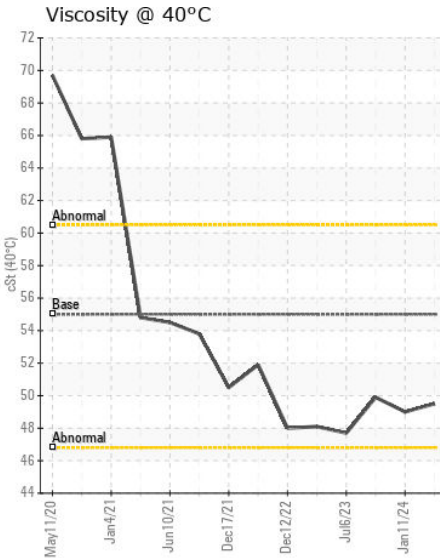
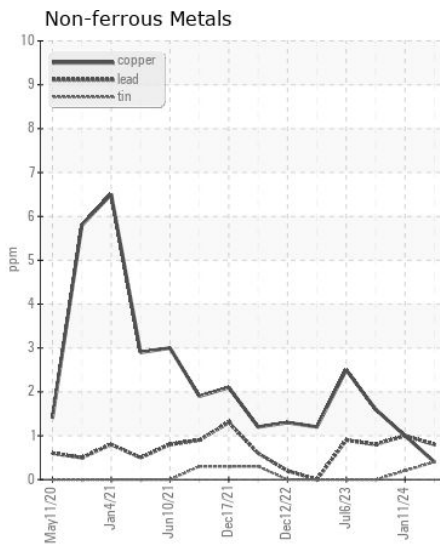
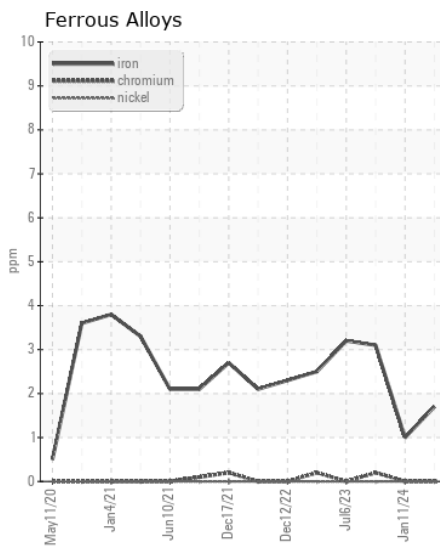
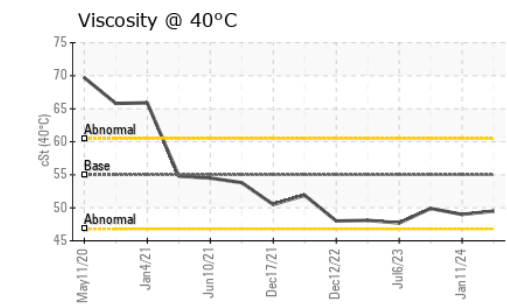
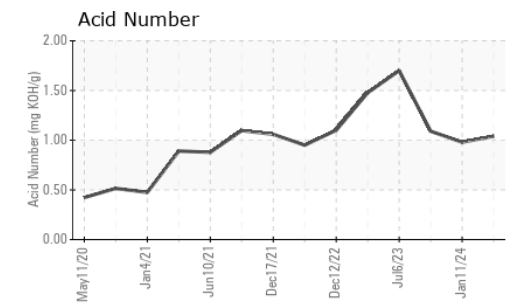
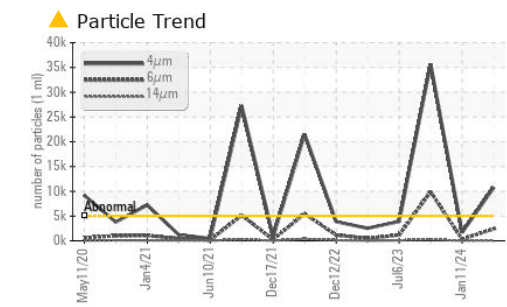
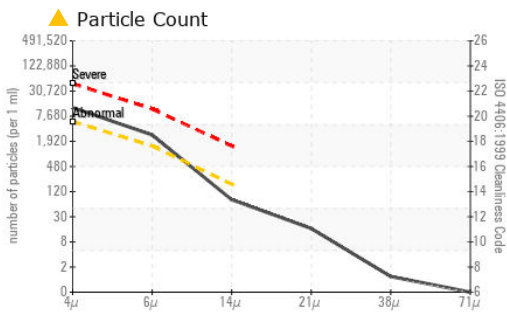
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	11	11	15
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 10734	1659	▲ 35687
Particles >6µm		ASTM D7647	>1300	● 2394	295	▲ 9892
Particles >14µm		ASTM D7647	>160	68	14	▲ 246
Particles >21µm		ASTM D7647	>40	14	5	▲ 49
Particles >38µm		ASTM D7647	>10	1	1	2
Particles >71µm		ASTM D7647	>3	0	1	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/18/13	18/15/11	▲ 22/20/15
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		2	1	1
Boron	ppm	ASTM D5185m		138	102	140
Barium	ppm	ASTM D5185m		0	0	3
Molybdenum	ppm	ASTM D5185m		16	10	16
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		60	89	62
Calcium	ppm	ASTM D5185m		3395	3045	3673
Phosphorus	ppm	ASTM D5185m		1132	1157	1293
Zinc	ppm	ASTM D5185m		1406	1356	1534
Sulfur	ppm	ASTM D5185m		8873	6987	9028
Acid Number (AN)	mg KOH/g	ASTM D8045		1.04	0.98	1.09
Visc @ 40°C	cSt	ASTM D445	55	49.5	49.0	49.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939242
Lab Number : 06192746
Unique Number : 11049498
Test Package : CONST
Received : 28 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Don Baldrige

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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)