



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Mobile Fleet

Machine Id
6438 6438

Hydraulic System

Fluid
MOBIL MOBILFLUID 424 (10 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		WC0947774	WC0919116	WC0885804
Sample Date		Client Info		11 Jun 2024	11 Apr 2024	22 Dec 2023
Machine Age	hrs	Client Info		10615	10226	9627
Oil Age	hrs	Client Info		989	600	1119
Filter Age	hrs	Client Info		989	600	1119
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	0	0	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	1	<1	2
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	35	19	27
Tin	ppm	ASTM D5185m	>10	0	0	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

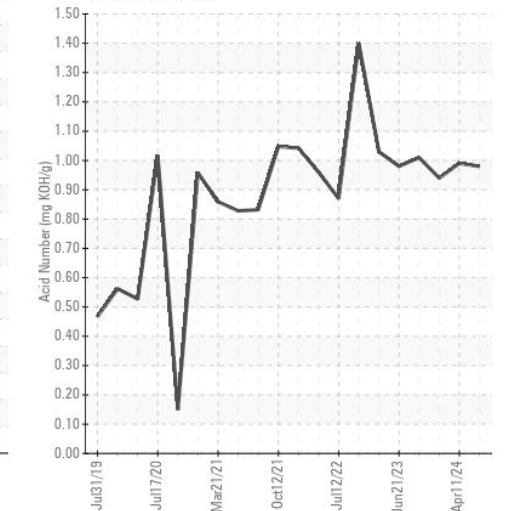
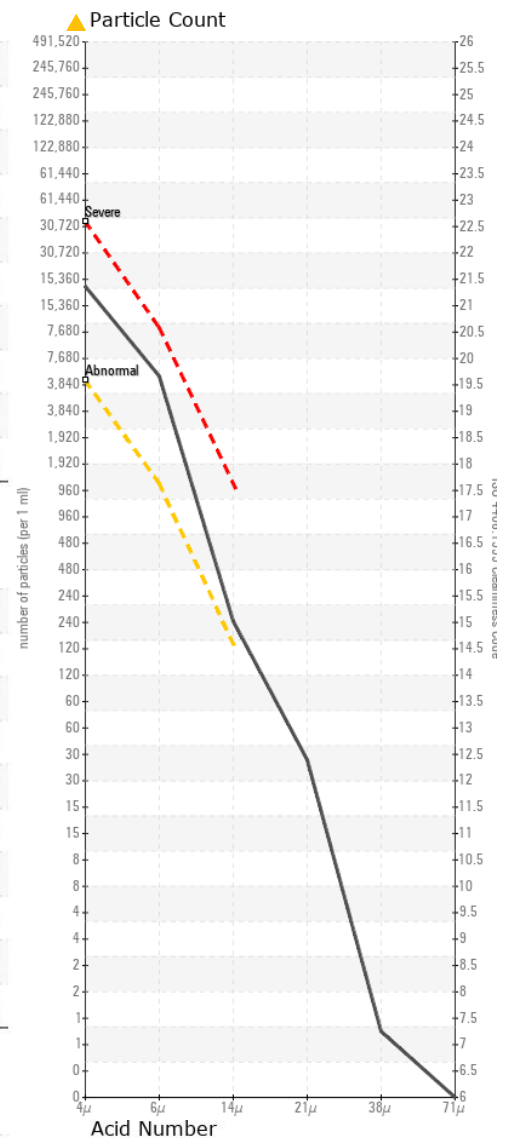
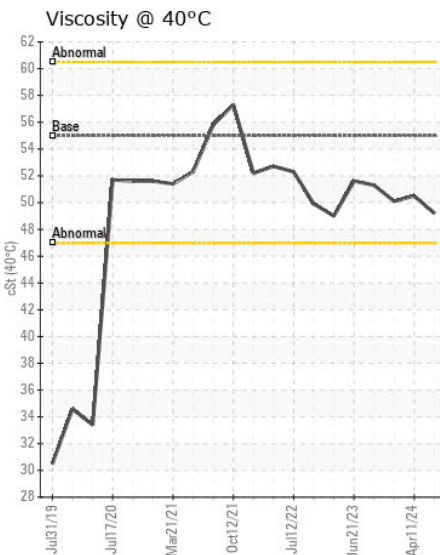
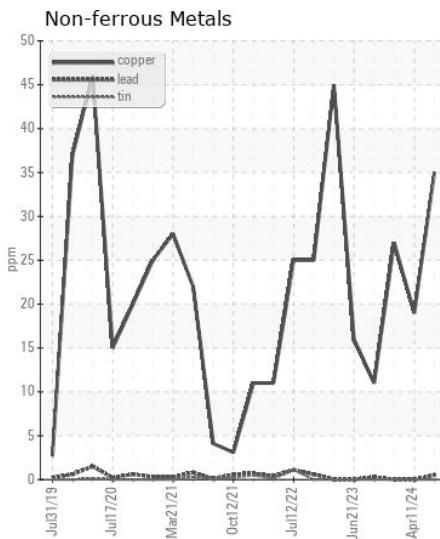
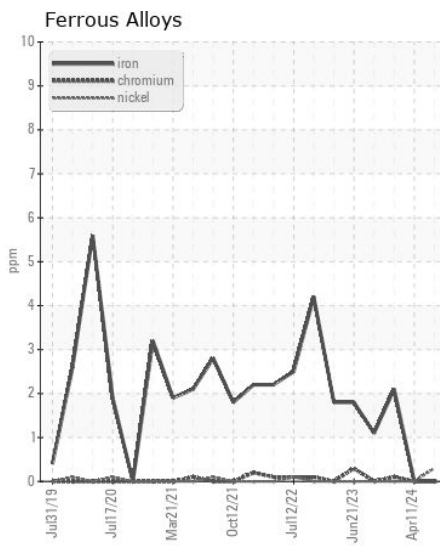
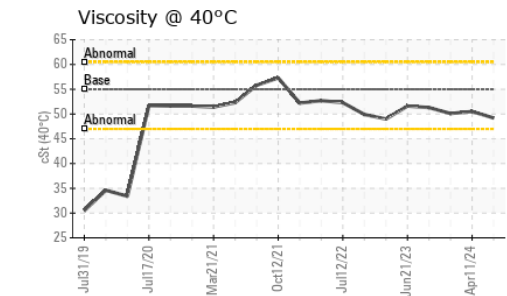
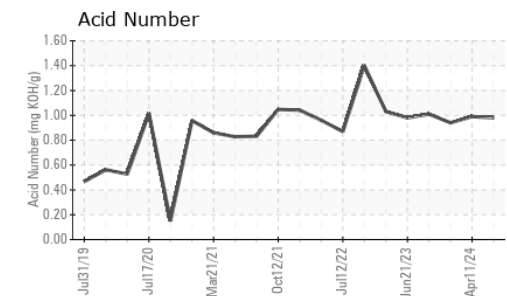
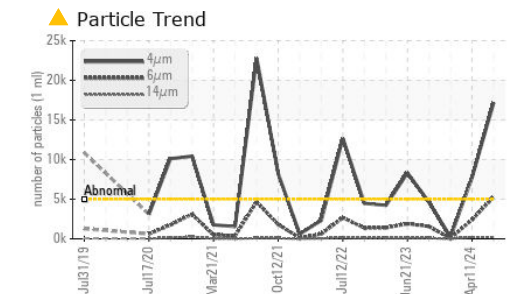
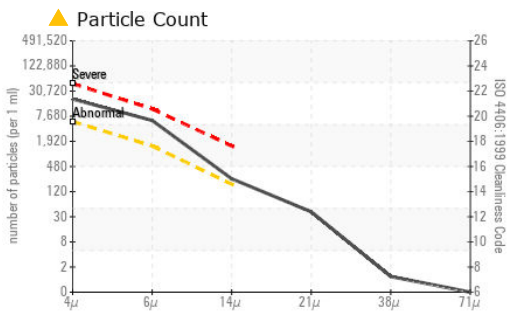
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	10	10	11
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 17170	● 7762	213
Particles >6µm		ASTM D7647	>1300	▲ 5301	● 2407	64
Particles >14µm		ASTM D7647	>160	▲ 215	● 215	6
Particles >21µm		ASTM D7647	>40	35	● 61	1
Particles >38µm		ASTM D7647	>10	1	3	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/20/15	● 20/18/15	15/13/10
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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		4	0	0
Boron	ppm	ASTM D5185m		157	121	134
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		21	20	27
Manganese	ppm	ASTM D5185m		1	0	0
Magnesium	ppm	ASTM D5185m		50	65	53
Calcium	ppm	ASTM D5185m		3331	3502	3565
Phosphorus	ppm	ASTM D5185m		1058	1177	1074
Zinc	ppm	ASTM D5185m		1298	1398	1473
Sulfur	ppm	ASTM D5185m		8292	8883	8804
Acid Number (AN)	mg KOH/g	ASTM D8045		0.98	0.99	0.94
Visc @ 40°C	cSt	ASTM D445	55	49.2	50.5	50.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0947774

Lab Number : 06209954

Unique Number : 11082818

Test Package : CONST

Received : 14 Jun 2024

Tested : 17 Jun 2024

Diagnosed : 17 Jun 2024 - Don Baldrige

CAROLINA SUNROCK

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BUTNER, NC

US 27509

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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)