



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Mobile Fleet

Machine Id
8050 8050

Hydraulic System

Fluid
MOBIL MOBILFLUID 424 (--- 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		WC0956008	WC0918631	WC0784666
Sample Date		Client Info		12 Jul 2024	15 Mar 2024	17 Aug 2023
Machine Age	hrs	Client Info		3103	2193	1030
Oil Age	hrs	Client Info		3103	2193	1030
Filter Age	hrs	Client Info		3103	1163	1030
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The iron level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	▲ 40	▲ 39	18
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	2	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>75	2	1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

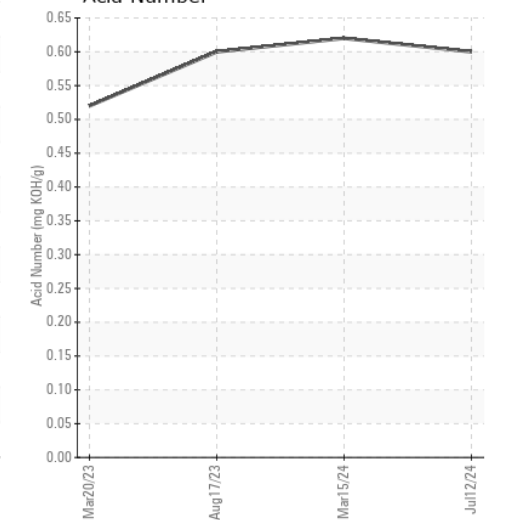
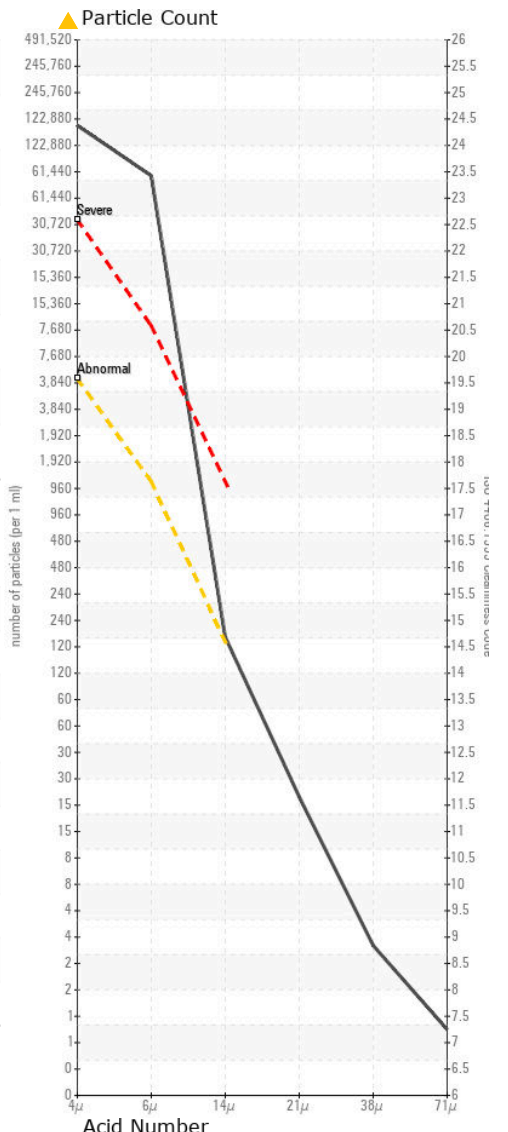
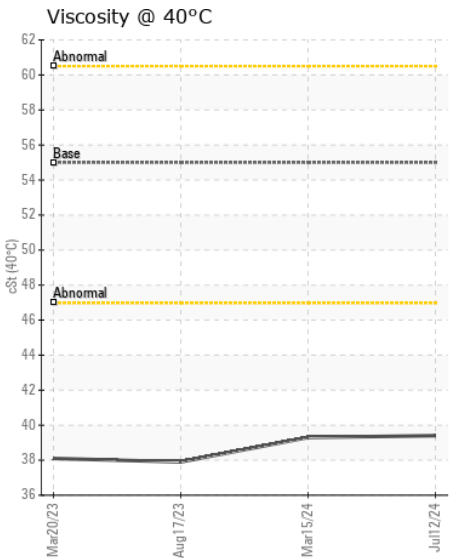
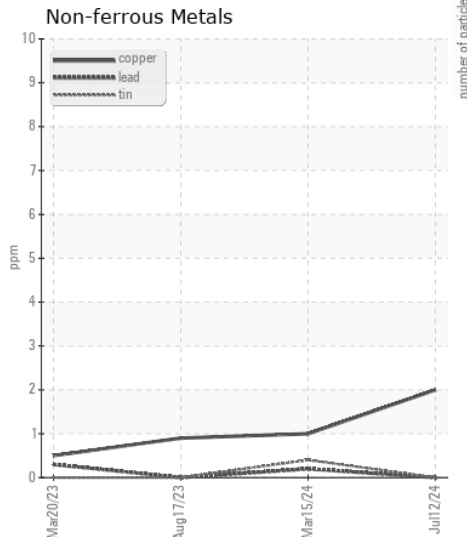
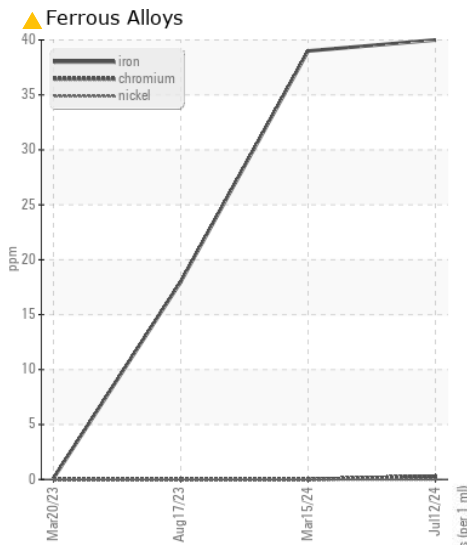
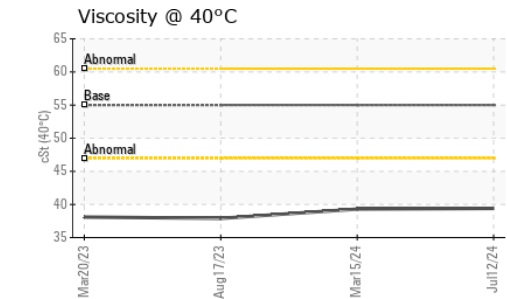
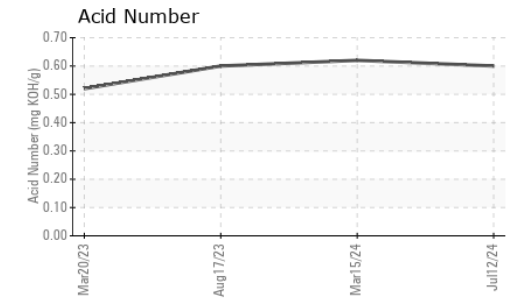
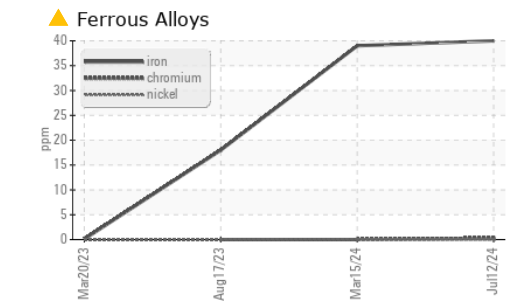
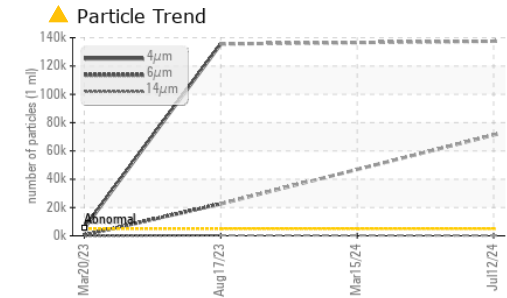
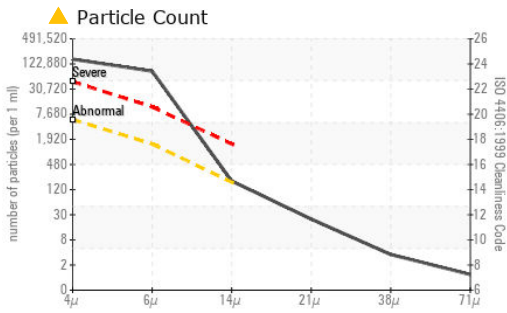
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	7	7	3
Potassium	ppm	ASTM D5185m	>20	3	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 137525	---	▲ 135573
Particles >6µm		ASTM D7647	>1300	▲ 71232	---	▲ 22567
Particles >14µm		ASTM D7647	>160	▲ 170	---	▲ 385
Particles >21µm		ASTM D7647	>40	21	---	▲ 128
Particles >38µm		ASTM D7647	>10	3	---	9
Particles >71µm		ASTM D7647	>3	1	---	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/23/15	---	▲ 24/22/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	1	1
Boron	ppm	ASTM D5185m		41	30	24
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		5	3	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		32	25	18
Calcium	ppm	ASTM D5185m		1225	900	648
Phosphorus	ppm	ASTM D5185m		512	530	467
Zinc	ppm	ASTM D5185m		726	646	544
Sulfur	ppm	ASTM D5185m		3225	3646	3114
Acid Number (AN)	mg KOH/g	ASTM D8045		0.600	0.62	0.60
Visc @ 40°C	cSt	ASTM D445	55	39.4	39.3	37.9



Certificate L2367

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

Sample No. : WC0956008

Lab Number : 06235756

Unique Number : 11124590

Test Package : CONST

Received : 15 Jul 2024

Tested : 16 Jul 2024

Diagnosed : 16 Jul 2024 - Don Baldrige

CAROLINA SUNROCK

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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)