



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
864 864
 Component
Hydraulic System
 Fluid
MOBIL MOBILFLUID 424 (25 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

WEAR

All component wear rates are normal.

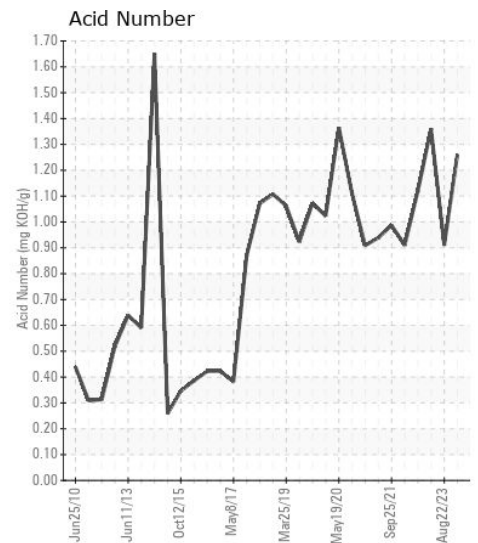
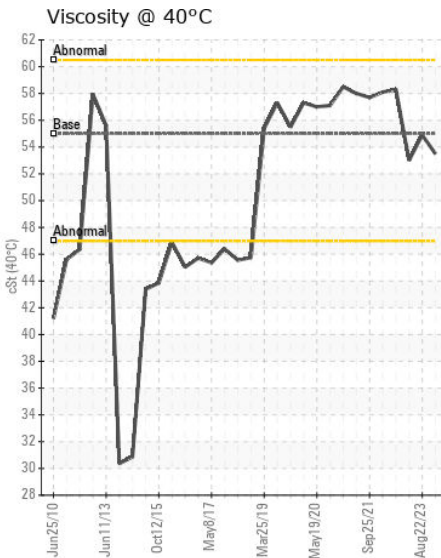
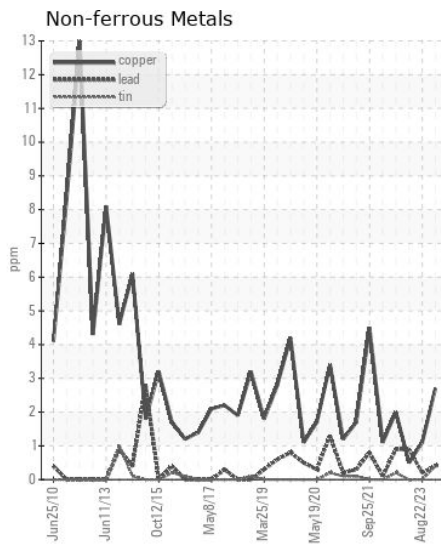
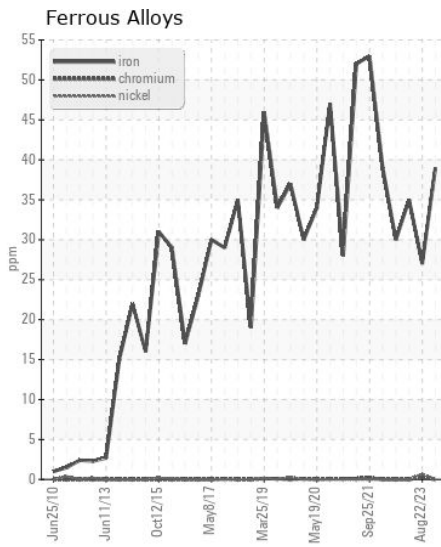
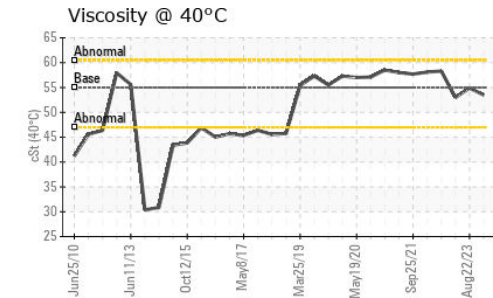
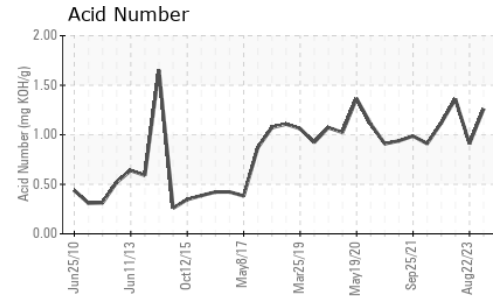
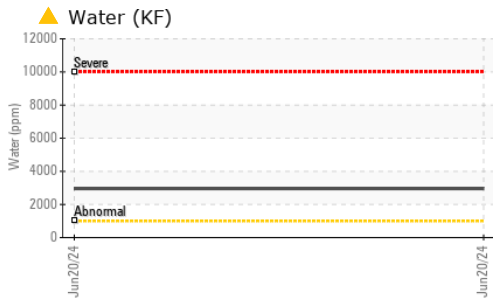
CONTAMINATION

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947750	WC0784590	WC0794110
Sample Date		Client Info		20 Jun 2024	22 Aug 2023	30 Mar 2023
Machine Age	hrs	Client Info		26530	26513	26507
Oil Age	hrs	Client Info		1501	372	369
Filter Age	hrs	Client Info		1501	372	369
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
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Iron	ppm	ASTM D5185m	>20	39	▲ 27	▲ 35
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	1	0
Aluminum	ppm	ASTM D5185m	>10	4	1	1
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	3	1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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Silicon	ppm	ASTM D5185m	>20	18	13	13
Potassium	ppm	ASTM D5185m	>20	3	3	3
Water	%	ASTM D6304	>0.1	▲ 0.296	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 2960	---	---
Particles >4µm		ASTM D7647	>5000	---	▲ 196132	▲ 198296
Particles >6µm		ASTM D7647	>1300	---	▲ 75440	▲ 101866
Particles >14µm		ASTM D7647	>160	---	▲ 459	▲ 1204
Particles >21µm		ASTM D7647	>40	---	▲ 66	▲ 83
Particles >38µm		ASTM D7647	>10	---	2	4
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	▲ 25/23/16	▲ 25/24/17
Silt	scalar	*Visual	NONE	▲ MODER	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	0.2%	NEG	NEG
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Sodium	ppm	ASTM D5185m		2	1	<1
Boron	ppm	ASTM D5185m		109	127	98
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		13	14	8
Manganese	ppm	ASTM D5185m		1	<1	1
Magnesium	ppm	ASTM D5185m		57	49	58
Calcium	ppm	ASTM D5185m		3524	3219	3268
Phosphorus	ppm	ASTM D5185m		1191	1044	1048
Zinc	ppm	ASTM D5185m		1490	1293	1472
Sulfur	ppm	ASTM D5185m		8577	6764	6870
Acid Number (AN)	mg KOH/g	ASTM D8045		1.26	0.91	1.36
Visc @ 40°C	cSt	ASTM D445	55	53.5	54.9	53.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0947750 **Received** : 24 Jun 2024
Lab Number : 06218041 **Tested** : 25 Jun 2024
Unique Number : 11096238 **Diagnosed** : 25 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF)

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)

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509

Contact: Leigh Dennis
 rdennis@thesunrockgroup.com
 T: (919)575-4505
 F: (919)575-0162