



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Mobile Fleet

Machine Id
6438 6438

Component
Hydraulic System

Fluid
MOBIL MOBILFLUID 424 (10 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		WC0919116	WC0885804	WC0852401
Sample Date		Client Info		11 Apr 2024	22 Dec 2023	01 Sep 2023
Machine Age	hrs	Client Info		10226	9627	8980
Oil Age	hrs	Client Info		600	1119	472
Filter Age	hrs	Client Info		600	1119	472
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	0	2	1
Chromium	ppm	ASTM D5185m	>10	0	<1	0
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	<1	2	1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	19	27	11
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

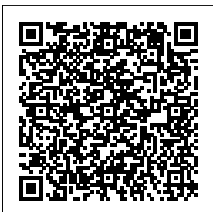
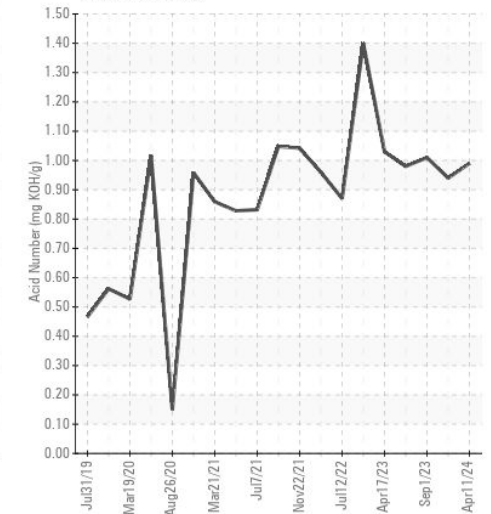
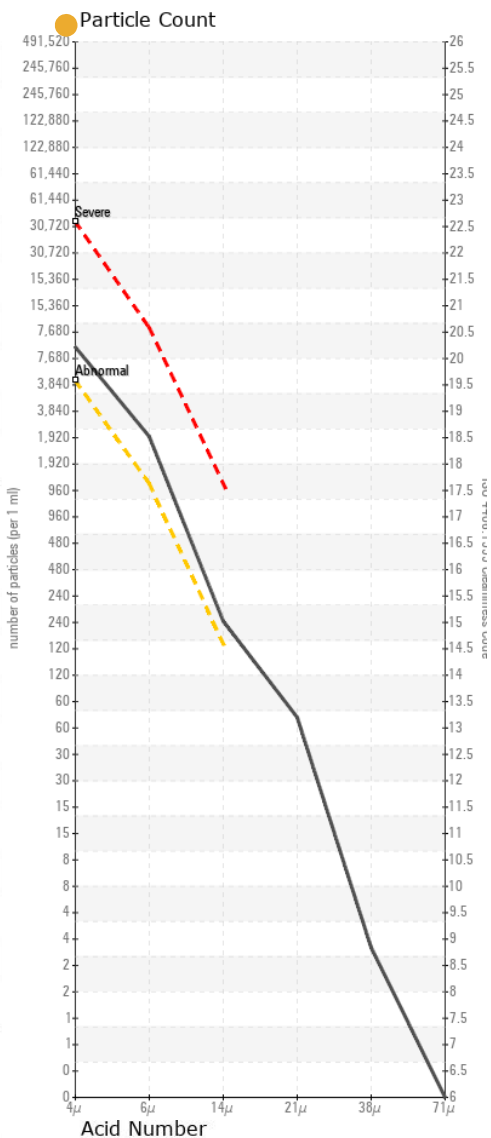
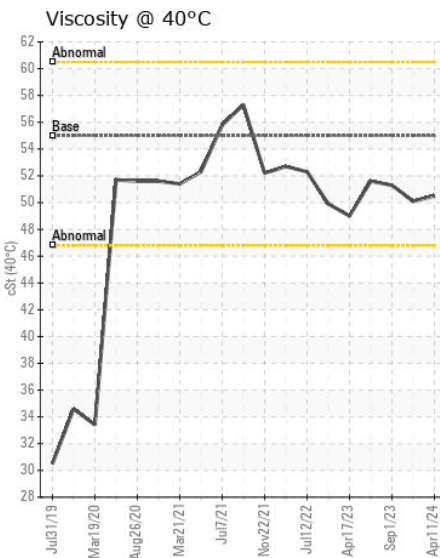
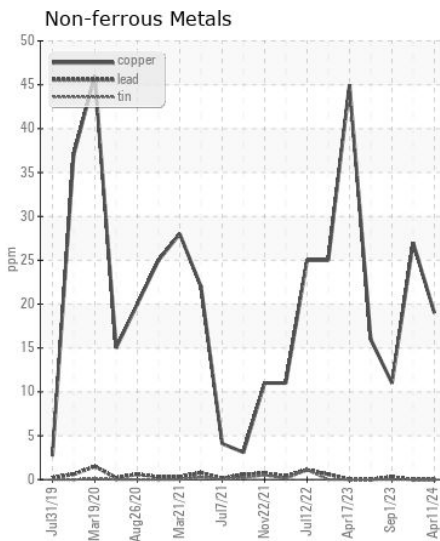
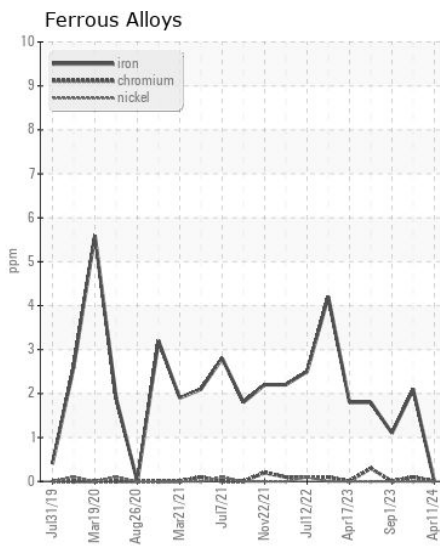
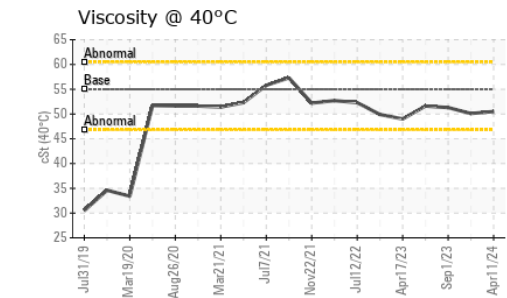
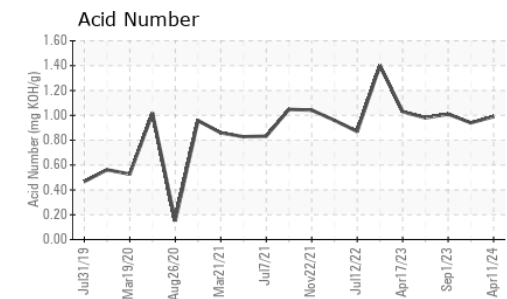
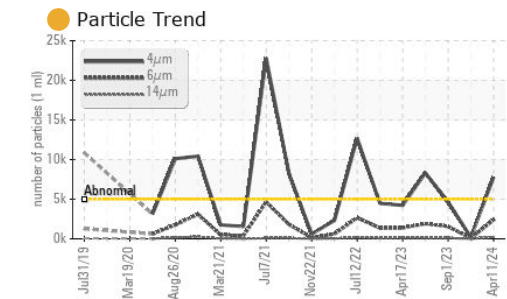
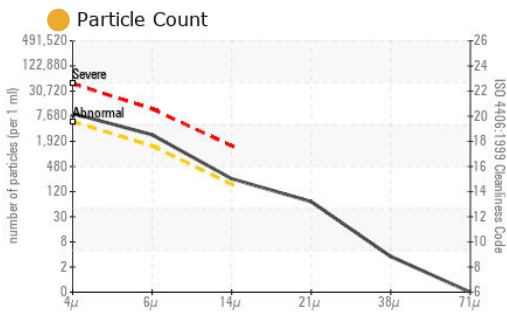
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	10	11	10
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	7762	213	4634
Particles >6µm		ASTM D7647	>1300	2407	64	1566
Particles >14µm		ASTM D7647	>160	215	6	93
Particles >21µm		ASTM D7647	>40	61	1	16
Particles >38µm		ASTM D7647	>10	3	0	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/15	15/13/10	19/18/14
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		0	0	2
Boron	ppm	ASTM D5185m		121	134	137
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		20	27	25
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		65	53	59
Calcium	ppm	ASTM D5185m		3502	3565	3539
Phosphorus	ppm	ASTM D5185m		1177	1074	1090
Zinc	ppm	ASTM D5185m		1398	1473	1393
Sulfur	ppm	ASTM D5185m		8883	8804	9118
Acid Number (AN)	mg KOH/g	ASTM D8045		0.99	0.94	1.01
Visc @ 40°C	cSt	ASTM D445	55	50.5	50.1	51.3



Certificate L2367

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

Sample No. : WC0919116

Lab Number : 06148543

Unique Number : 10978621

Test Package : CONST

Received : 15 Apr 2024

Tested : 16 Apr 2024

Diagnosed : 17 Apr 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)