



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
6443 6443
 Component
Hydraulic System
 Fluid
MOBIL MOBILFLUID 424 (20 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0939420	WC0867116	WC0819163
Sample Date		Client Info		22 May 2024	13 Nov 2023	22 Jun 2023
Machine Age	hrs	Client Info		7659	6960	6401
Oil Age	hrs	Client Info		1258	559	1282
Filter Age	hrs	Client Info		1258	559	1282
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	4	3	3
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	1	<1	1
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	1	1	1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

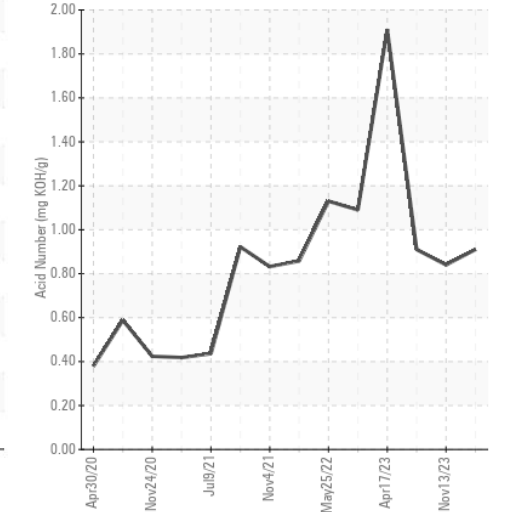
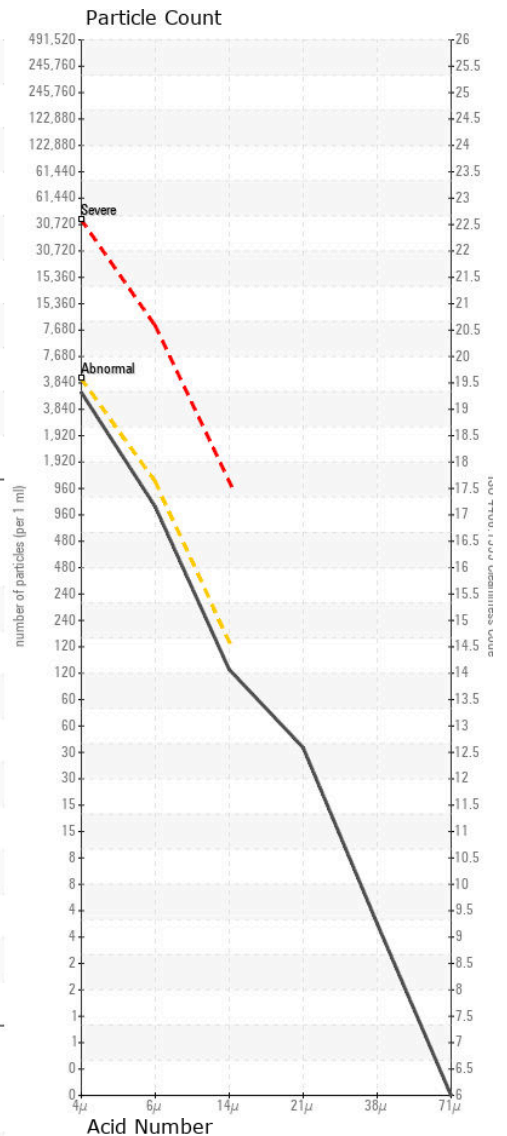
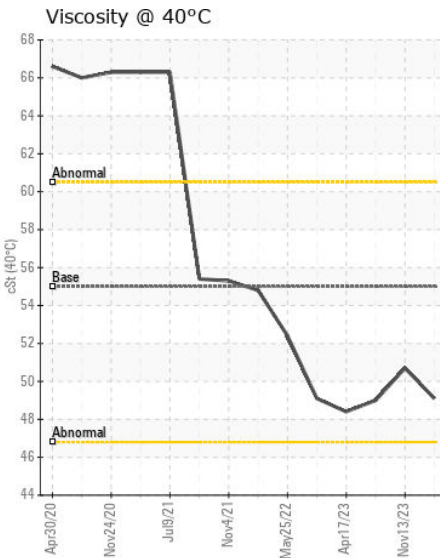
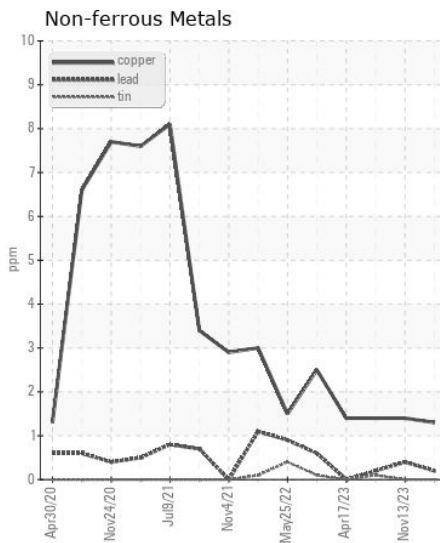
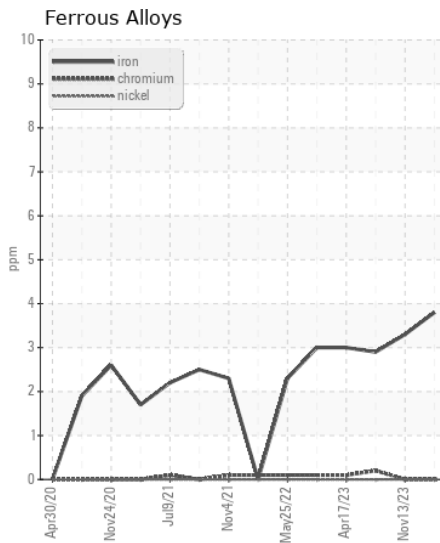
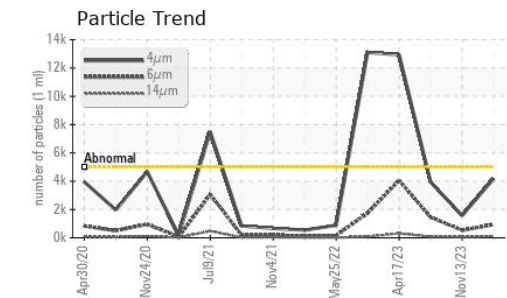
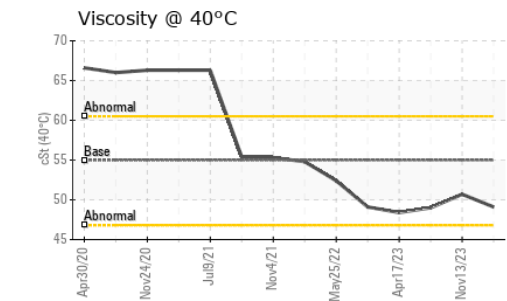
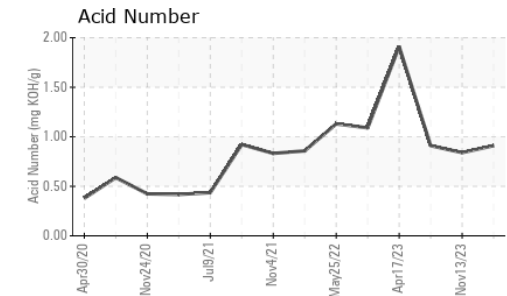
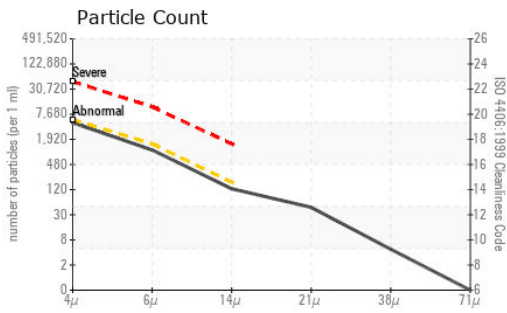
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	9	8	9
Potassium	ppm	ASTM D5185m	>20	0	1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	4179	1569	3935
Particles >6µm		ASTM D7647	>1300	937	536	1452
Particles >14µm		ASTM D7647	>160	111	46	79
Particles >21µm		ASTM D7647	>40	40	11	10
Particles >38µm		ASTM D7647	>10	4	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14	18/16/13	19/18/13
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		1	0	2
Boron	ppm	ASTM D5185m		148	126	115
Barium	ppm	ASTM D5185m		0	7	0
Molybdenum	ppm	ASTM D5185m		13	13	13
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		60	52	62
Calcium	ppm	ASTM D5185m		3452	3059	3364
Phosphorus	ppm	ASTM D5185m		1159	1025	1141
Zinc	ppm	ASTM D5185m		1407	1270	1536
Sulfur	ppm	ASTM D5185m		8734	7551	9802
Acid Number (AN)	mg KOH/g	ASTM D8045		0.91	0.84	0.91
Visc @ 40°C	cSt	ASTM D445	55	49.1	50.7	49.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939420
Lab Number : 06190936
Unique Number : 11047688
Test Package : CONST
Received : 24 May 2024
Tested : 29 May 2024
Diagnosed : 29 May 2024 - Don Baldrige

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509

Contact: Leigh Dennis
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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)