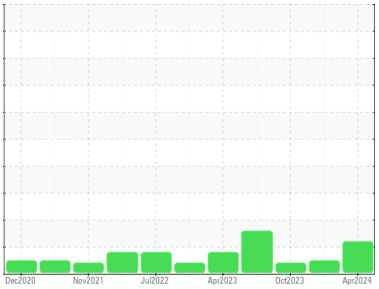
OIL ANALYSIS REPORT

Area
Mobile Fleet
Machine Id
5215 5215
Component
Transmission (Auto)
Fluid
MOBIL MOBILFLUID 424 (16 GAL)

Sample Rating Trend



ISO

DIAGNOSIS

Recommendation
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid.

Fluid Condition
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0919031**	WC0861905	WC0867235
Sample Date		Client Info		**09 Apr 2024**	29 Dec 2023	18 Oct 2023
Machine Age	hrs	Client Info		**12329**	11759	11234
Oil Age	hrs	Client Info		**2268**	1698	1173
Oil Changed		Client Info		**Changed**	Not Changd	Not Changd
Sample Status				**ATTENTION**	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

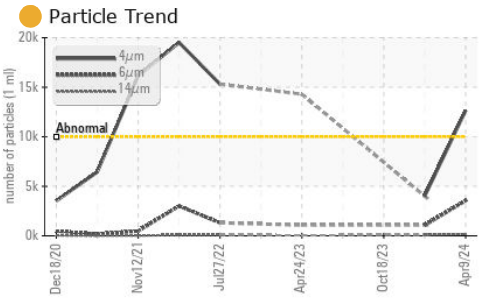
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	**43**	33	29
Chromium	ppm	ASTM D5185m	>5	**<1**	<1	<1
Nickel	ppm	ASTM D5185m	>5	**1**	0	0
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m	>5	**0**	0	<1
Aluminum	ppm	ASTM D5185m	>50	**2**	2	3
Lead	ppm	ASTM D5185m	>50	**6**	7	8
Copper	ppm	ASTM D5185m	>225	**85**	105	90
Tin	ppm	ASTM D5185m	>10	**4**	4	4
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**1**	0	<1

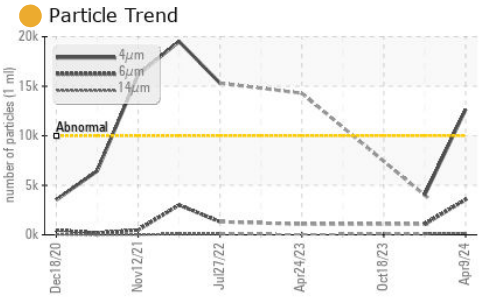
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**55**	64	67
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**17**	20	20
Manganese	ppm	ASTM D5185m		**1**	0	<1
Magnesium	ppm	ASTM D5185m		**106**	144	137
Calcium	ppm	ASTM D5185m		**2581**	2205	2096
Phosphorus	ppm	ASTM D5185m		**924**	858	827
Zinc	ppm	ASTM D5185m		**995**	1038	1027
Sulfur	ppm	ASTM D5185m		**5984**	4260	3782

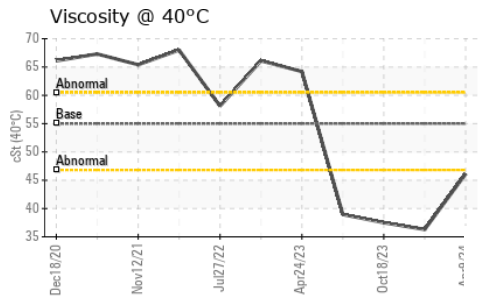
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**8**	6	8
Sodium	ppm	ASTM D5185m		**<1**	0	2
Potassium	ppm	ASTM D5185m	>20	**2**	1	0

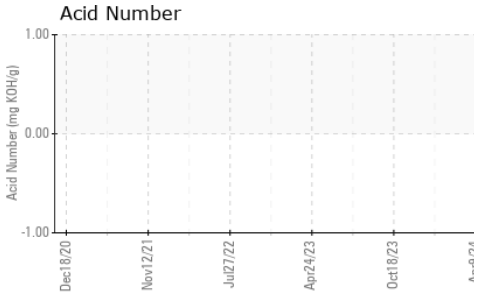
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	**12644**	4002	---
Particles >6µm		ASTM D7647	>2500	**3556**	1073	---
Particles >14µm		ASTM D7647	>320	**173**	82	---
Particles >21µm		ASTM D7647	>80	**32**	15	---
Particles >38µm		ASTM D7647	>20	**1**	0	---
Particles >71µm		ASTM D7647	>4	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	**21/19/15**	19/17/14	---

OIL ANALYSIS REPORT



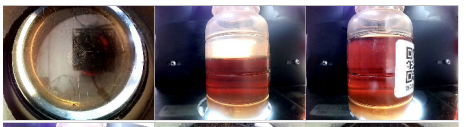




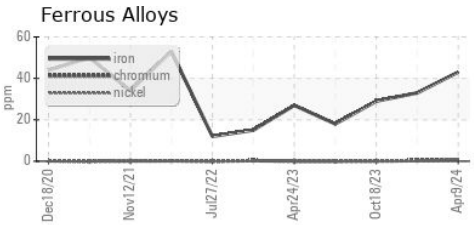


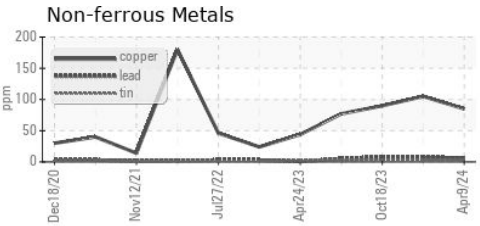
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	▲ MODER
Sand/Dirt	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
Free Water	scalar	*Visual		**NEG**	NEG	NEG

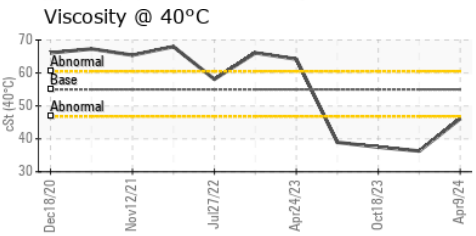
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	55	**46.1**	36.3	37.5

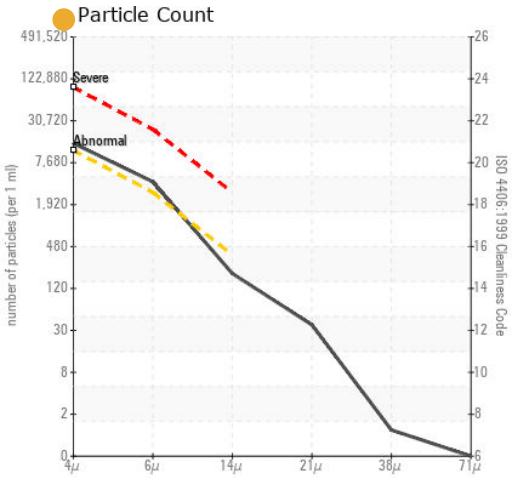
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

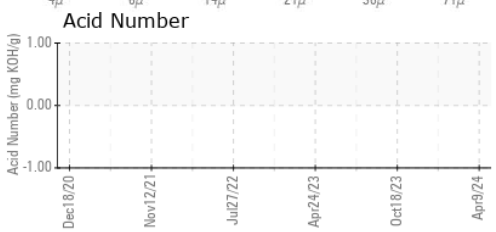
GRAPHS











Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919031 **Received** : 11 Apr 2024
Lab Number : 06146514 **Tested** : 15 Apr 2024
Unique Number : 10976592 **Diagnosed** : 15 Apr 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PrtCount)

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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)