



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

6424 6424

Component

Gearbox

Fluid

MOBIL MOBILUBE HD PLUS 85W140 (3 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0955976	WC0694920	WCMCF52198
Sample Date		Client Info		01 Jul 2024	28 Apr 2022	17 Apr 2018
Machine Age	hrs	Client Info		12260	8179	47
Oil Age	hrs	Client Info		4076	4177	47
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	195	▲ 606	10
Chromium	ppm	ASTM D5185m	>10	3	▲ 9	1
Nickel	ppm	ASTM D5185m	>10	<1	2	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	3	3	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>200	0	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

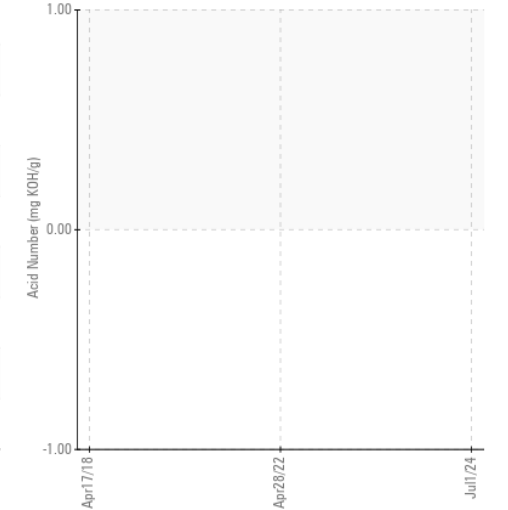
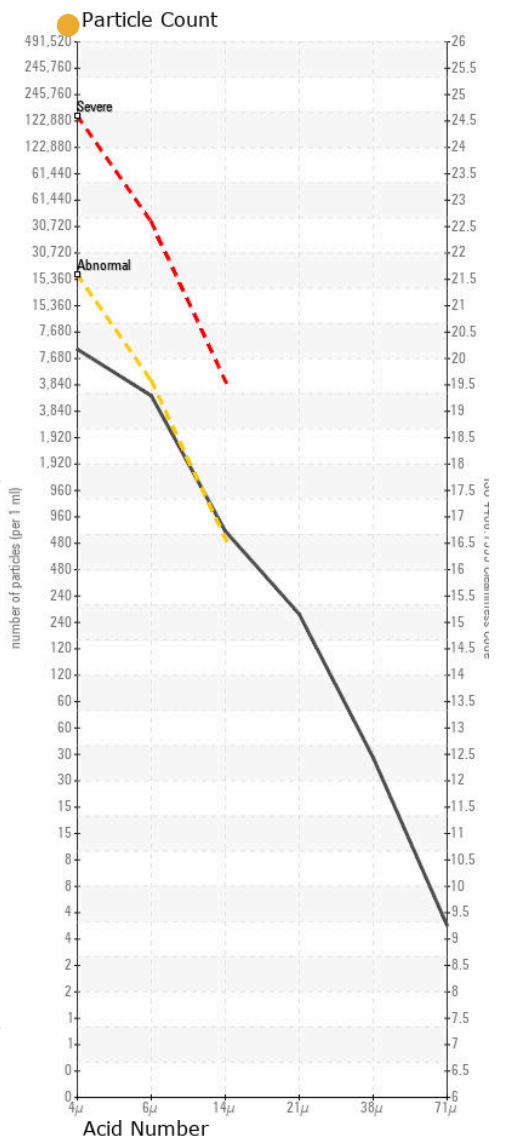
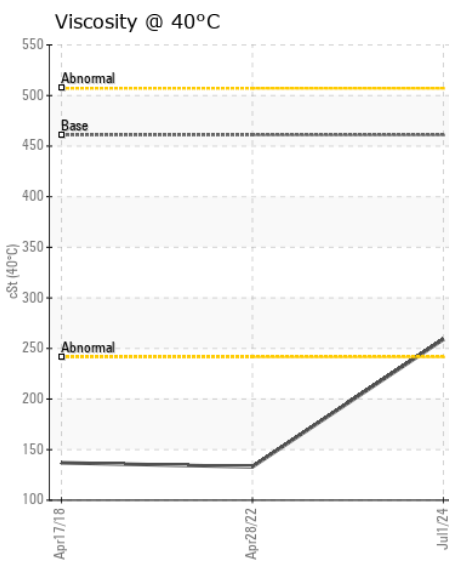
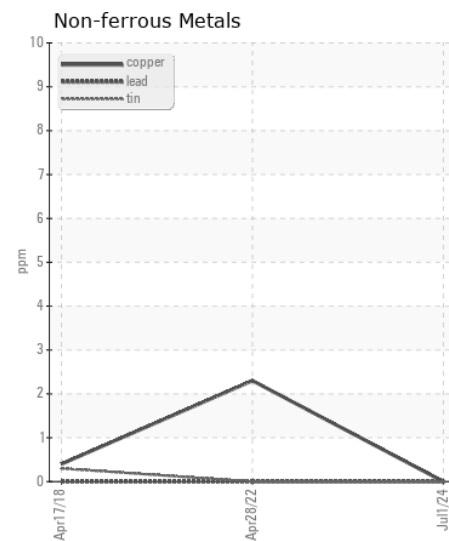
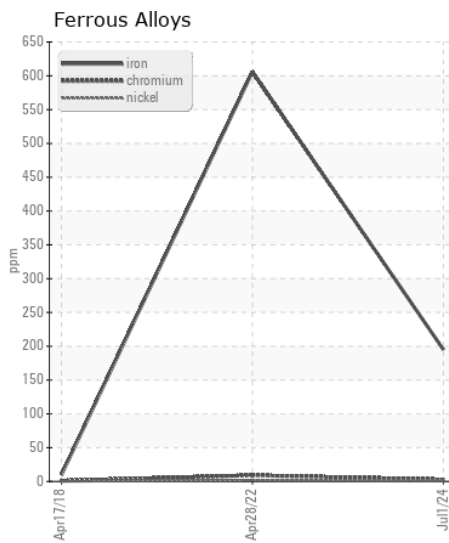
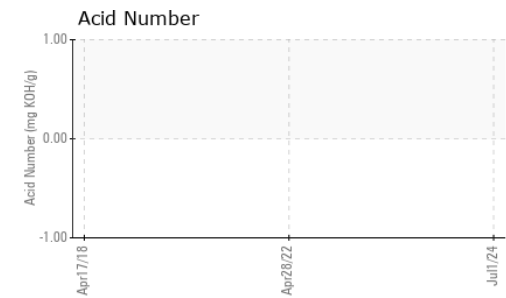
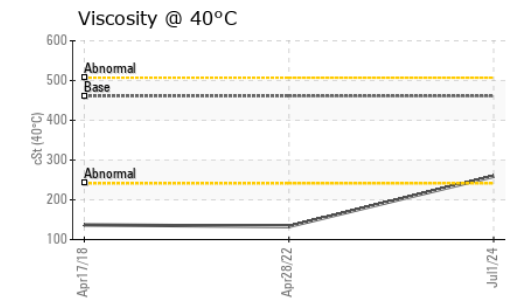
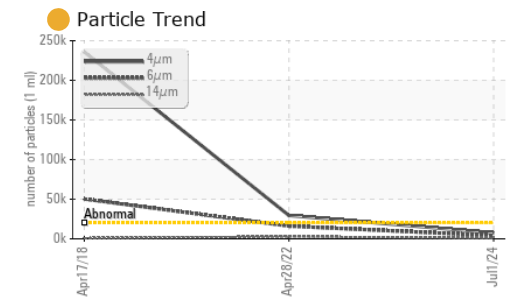
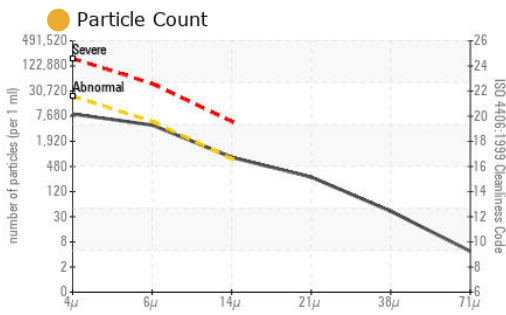
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>50	14	10	<1
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	7543	▲ 29481	▲ 235853
Particles >6µm		ASTM D7647	>5000	4109	▲ 16060	▲ 50264
Particles >14µm		ASTM D7647	>640	● 699	▲ 2733	▲ 677
Particles >21µm		ASTM D7647	>160	● 236	▲ 921	91
Particles >38µm		ASTM D7647	>40	36	▲ 142	4
Particles >71µm		ASTM D7647	>10	4	▲ 15	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	● 20/19/17	▲ 22/21/19	▲ 25/23/17
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		1	2	0
Boron	ppm	ASTM D5185m		111	65	147
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		4	10	<1
Magnesium	ppm	ASTM D5185m		15	2	0
Calcium	ppm	ASTM D5185m		104	54	5
Phosphorus	ppm	ASTM D5185m		1104	967	805
Zinc	ppm	ASTM D5185m		107	30	<1
Sulfur	ppm	ASTM D5185m		32025	15415	15638
Visc @ 40°C	cSt	ASTM D445	461	259	● 133	● 137.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0955976 **Received** : 05 Jul 2024
Lab Number : 06228415 **Tested** : 09 Jul 2024
Unique Number : 11111908 **Diagnosed** : 09 Jul 2024 - Don Baldrige
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)