



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5512 5512
Component
Right Final Drive
Fluid
MOBIL MOBILUBE HD 85W140 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918756	WC0819186	WC0770917
Sample Date		Client Info		22 Apr 2024	09 Aug 2023	01 Mar 2023
Machine Age	hrs	Client Info		8132	7620	6974
Oil Age	hrs	Client Info		1158	646	0
Filter Age	hrs	Client Info		1158	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	358	223	179
Chromium	ppm	ASTM D5185m	>9	3	2	2
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	1
Aluminum	ppm	ASTM D5185m	>40	12	13	11
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	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

CONTAMINATION

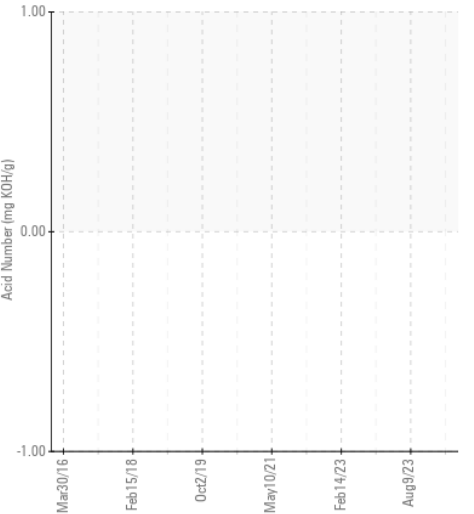
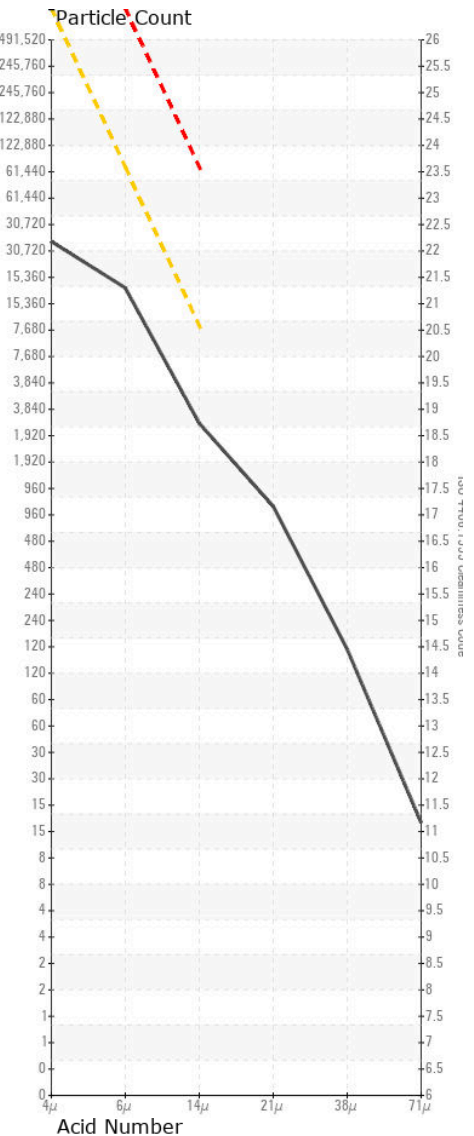
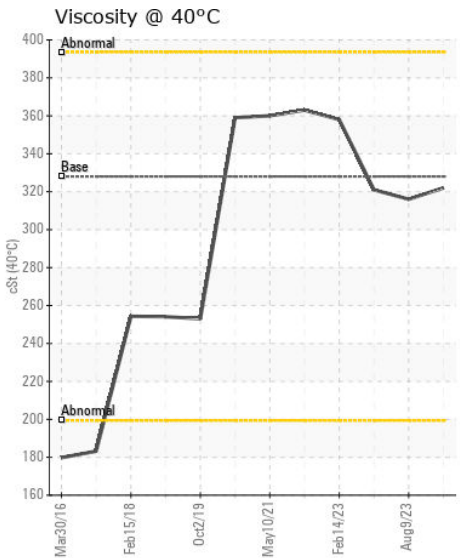
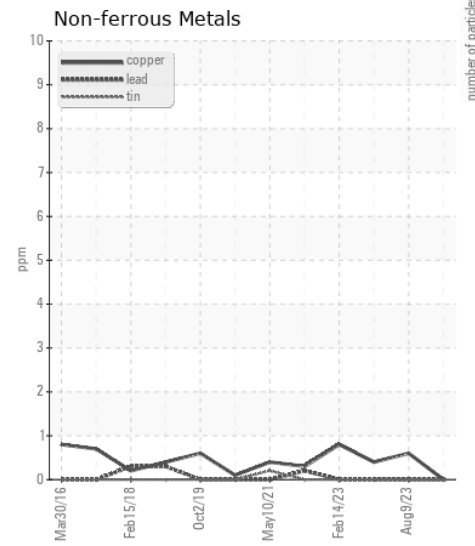
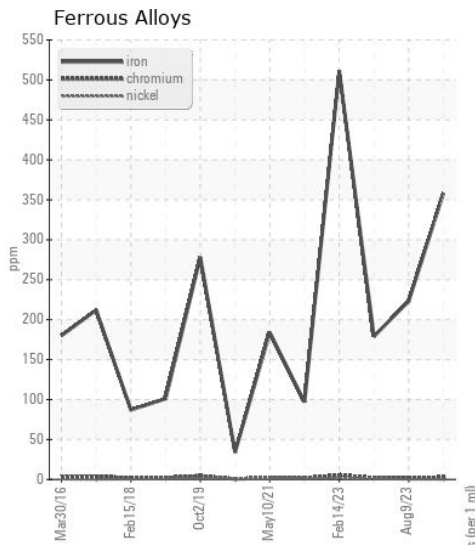
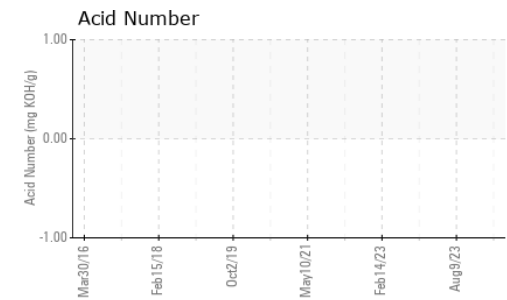
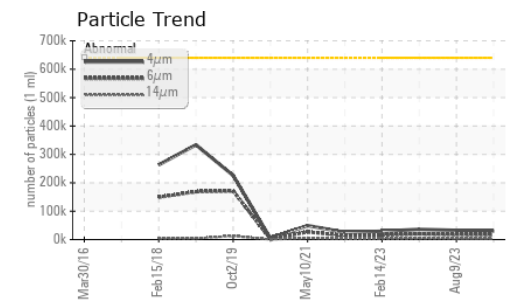
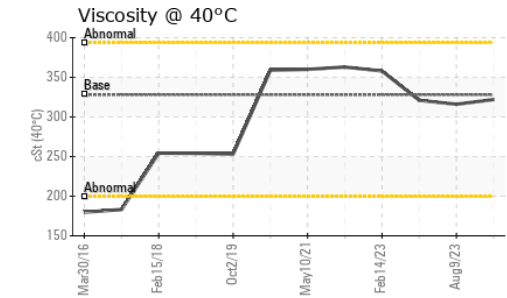
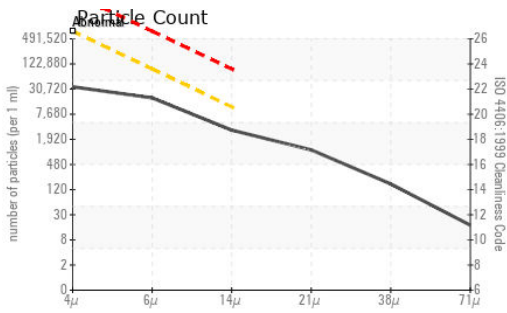
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>75	60	51	40
Potassium	ppm	ASTM D5185m	>20	3	2	4
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>640000	30118	32484	36243
Particles >6µm		ASTM D7647	>80000	16407	17696	19744
Particles >14µm		ASTM D7647	>10000	2792	3012	3360
Particles >21µm		ASTM D7647	>2500	941	1014	1132
Particles >38µm		ASTM D7647	>640	145	157	175
Particles >71µm		ASTM D7647	>160	15	16	18
Oil Cleanliness		ISO 4406 (c)	>26/23/20	22/21/19	22/21/19	22/21/19
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	3	2	0
Boron	ppm	ASTM D5185m		83	97	138
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		3	3	3
Manganese	ppm	ASTM D5185m		3	3	2
Magnesium	ppm	ASTM D5185m		22	9	31
Calcium	ppm	ASTM D5185m		65	36	45
Phosphorus	ppm	ASTM D5185m		904	874	846
Zinc	ppm	ASTM D5185m		65	36	67
Sulfur	ppm	ASTM D5185m		28774	25056	25664
Visc @ 40°C	cSt	ASTM D445	328	322	316	321



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918756 **Received** : 24 Apr 2024
Lab Number : 06158960 **Tested** : 25 Apr 2024
Unique Number : 10994383 **Diagnosed** : 25 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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)

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