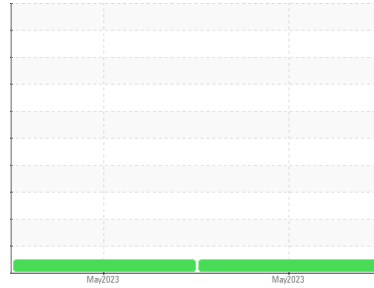


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[AFTER FILTER]**  
 Machine Id  
**OIL-RITE MRX I**  
 Component  
**Circulating System**  
 Fluid  
**MOBIL SHC 630 (30 GAL)**

**DIAGNOSIS**

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the oil.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>TO60000780</b>	TO60000778	---
Sample Date	Client Info			<b>17 May 2023</b>	16 May 2023	---
Machine Age	mths	Client Info		<b>28</b>	28	---
Oil Age	mths	Client Info		<b>12</b>	12	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

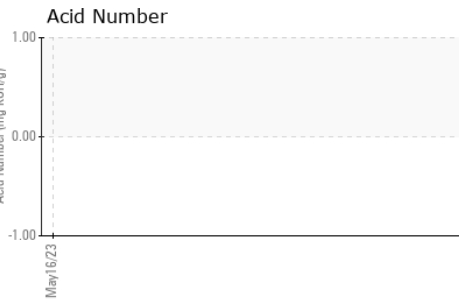
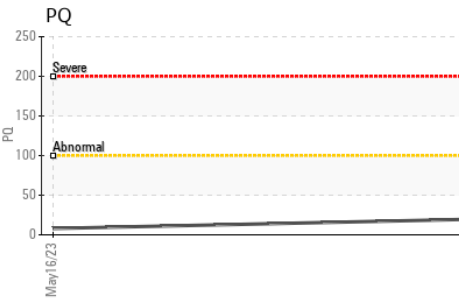
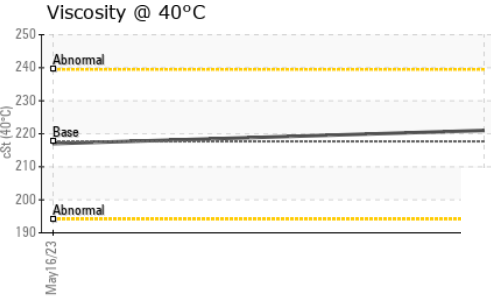
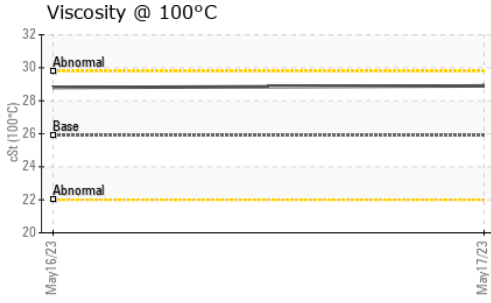
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>20</b>	8	---
Iron	ppm	ASTM D5185m		<b>1</b>	3	---
Chromium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m		<b>0</b>	0	---
Lead	ppm	ASTM D5185m		<b>0</b>	0	---
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m		<b>1</b>	19	---
Phosphorus	ppm	ASTM D5185m		<b>453</b>	441	---
Zinc	ppm	ASTM D5185m		<b>0</b>	1	---
Sulfur	ppm	ASTM D5185m		<b>105</b>	282	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<b>17</b>	15	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	---

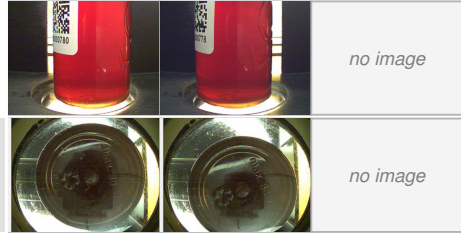
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual		<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

# OIL ANALYSIS REPORT

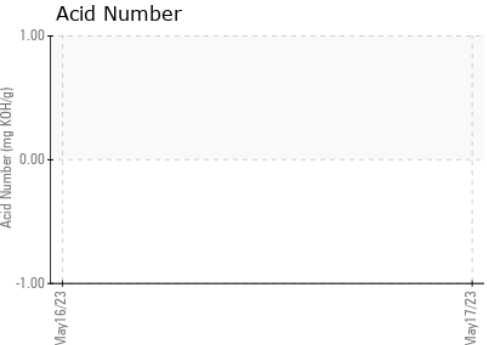
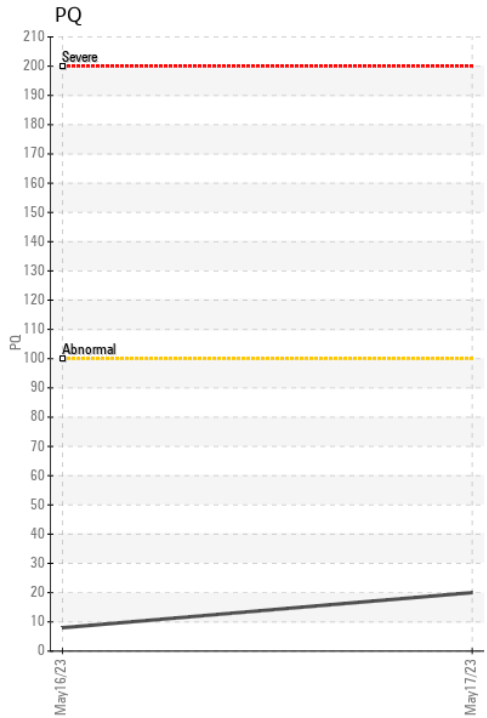
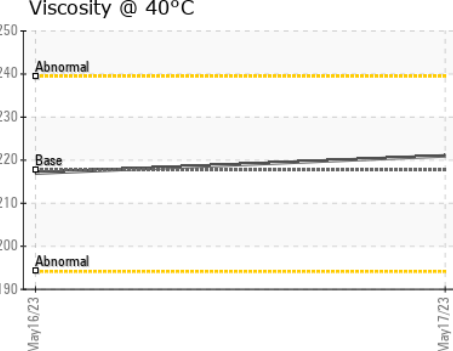
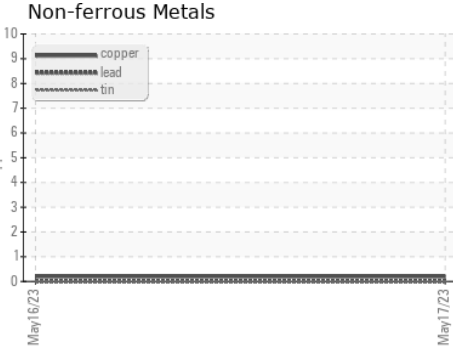
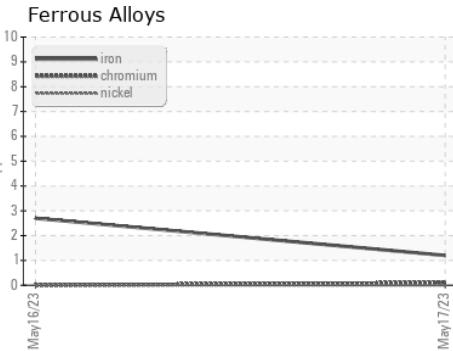


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 217.7	<b>221</b>	217	---
Visc @ 100°C	cSt	ASTM D445 25.9	<b>28.9</b>	28.8	---
Viscosity Index (VI)	Scale	ASTM D2270 152	<b>169</b>	171	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60000780 **Received** : 18 May 2023  
**Lab Number** : 05850817 **Diagnosed** : 22 May 2023  
**Unique Number** : 10480172 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: KV100, PQ, VI )

**3M BROWNWOOD**  
 4501 US 377 SOUTH  
 BROWNWOOD, TX  
 US 76801  
 Contact: RICKY GOTCHER  
 rgotcherjr@mmm.com

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)

T:  
F: