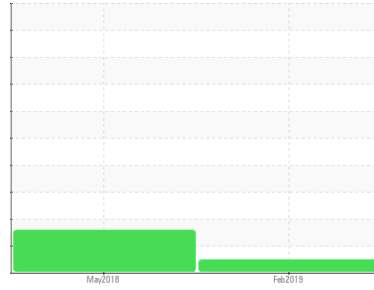




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**Mobile Fleet**

Machine Id

**3009 3009**

Component

**Right Final Drive**

Fluid

**MOBIL DELVAC 1 SYNTHETIC GEAR SAE 75W90 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. 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>WCMCF69811</b>	WCMCF54117	---	
Sample Date	Client Info	<b>12 Feb 2019</b>	31 May 2018	---	
Machine Age	hrs	Client Info	<b>2650</b>	1188	---
Oil Age	hrs	Client Info	<b>2650</b>	1188	---
Oil Changed	Client Info	<b>Changed</b>	Not Changd	---	
Sample Status		<b>NORMAL</b>	ABNORMAL	---	

### CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	<b>NEG</b>	NEG	---

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	<b>88</b>	36	---
Chromium	ppm	ASTM D5185m >10	<b>7</b>	2	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >50	<b>4</b>	2	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185m	<b>0</b>	4	---
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>1</b>	2	---
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	1	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>5</b>	2	---
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	3	---
Calcium	ppm	ASTM D5185m	<b>53</b>	27	---
Phosphorus	ppm	ASTM D5185m	<b>258</b>	208	---
Zinc	ppm	ASTM D5185m	<b>14</b>	11	---
Sulfur	ppm	ASTM D5185m	<b>17337</b>	8789	---

### CONTAMINANTS

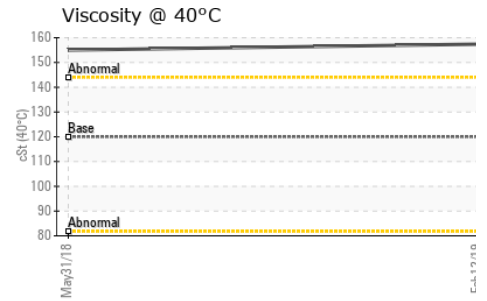
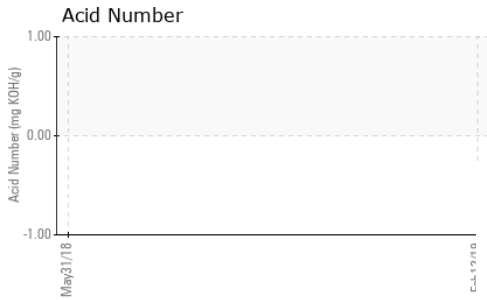
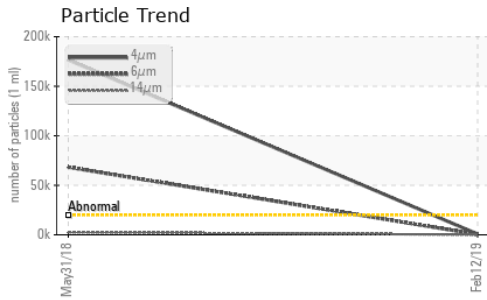
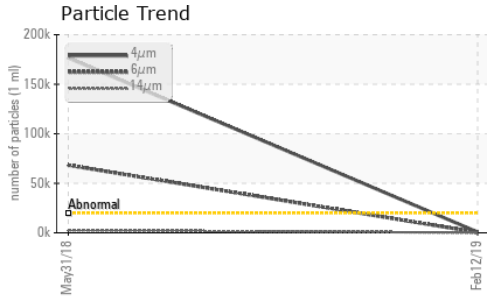
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	<b>4</b>	3	---
Sodium	ppm	ASTM D5185m	<b>23</b>	14	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	2	---

### FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	<b>743</b>	▲ 176566	---
Particles >6µm	ASTM D7647 >5000	<b>405</b>	▲ 68270	---
Particles >14µm	ASTM D7647 >640	<b>69</b>	▲ 2609	---
Particles >21µm	ASTM D7647 >160	<b>23</b>	▲ 410	---
Particles >38µm	ASTM D7647 >40	<b>3</b>	10	---
Particles >71µm	ASTM D7647 >10	<b>0</b>	5	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	<b>17/16/13</b>	▲ 25/23/19	---



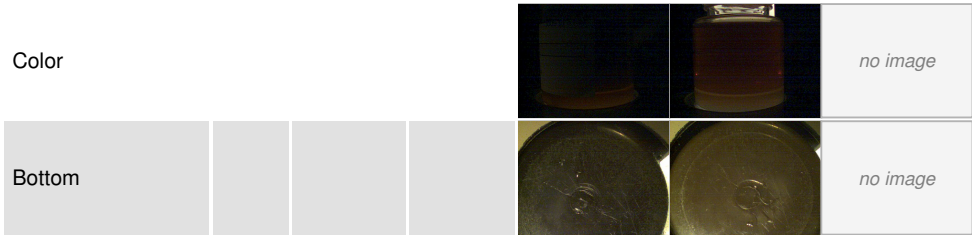
# OIL ANALYSIS REPORT



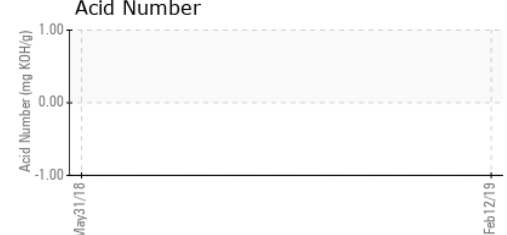
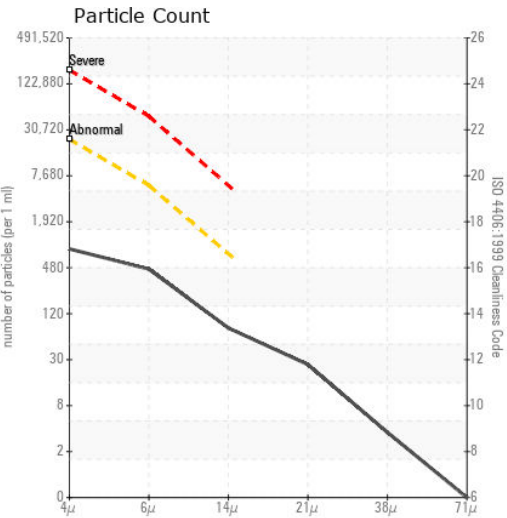
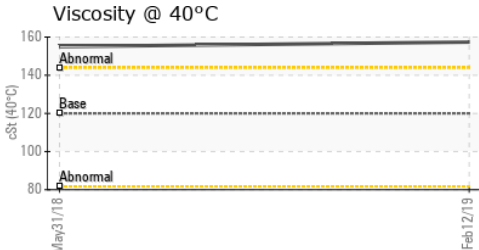
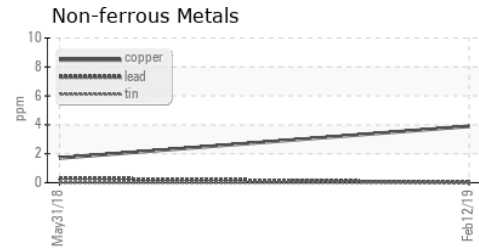
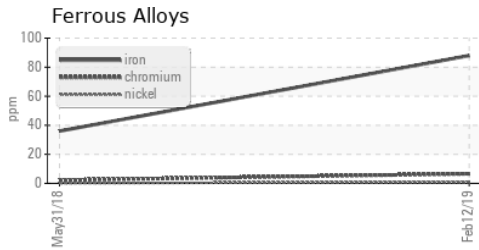
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 120	<b>157.4</b>	155.0	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WCMCF69811      **Received** : 13 Feb 2019  
**Lab Number** : **04649703**      **Tested** : 14 Feb 2019  
**Unique Number** : 8496203      **Diagnosed** : 14 Feb 2019 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: PrtCount )

**CAROLINA SUNROCK**  
 PO BOX 25  
 BUTNER, NC  
 US 27509

Contact: Leigh Dennis  
 rdennis@thesunrockgroup.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)

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