



Machine Id  
**TRAVELIFT (S/N 3331-0907)**  
Component  
**Steering**  
Fluid  
**SUPER SAE 90 GL-4 (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. The filter 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		<b>MW0059794</b>	---	---
Sample Date		Client Info		<b>15 Apr 2024</b>	---	---
Machine Age	yrs	Client Info		<b>1</b>	---	---
Oil Age	yrs	Client Info		<b>1</b>	---	---
Filter Age	yrs	Client Info		<b>1</b>	---	---
Oil Changed		Client Info		<b>Not Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>31</b>	---	---
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

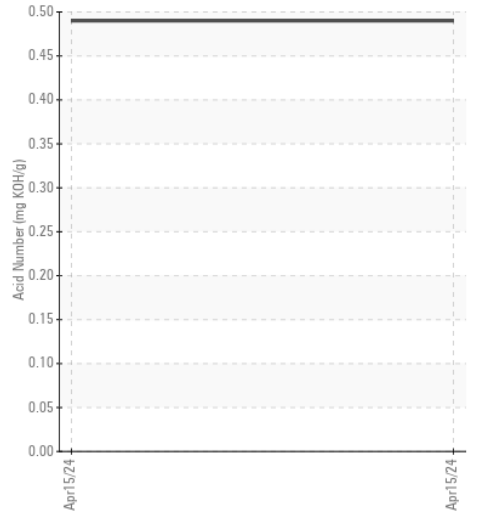
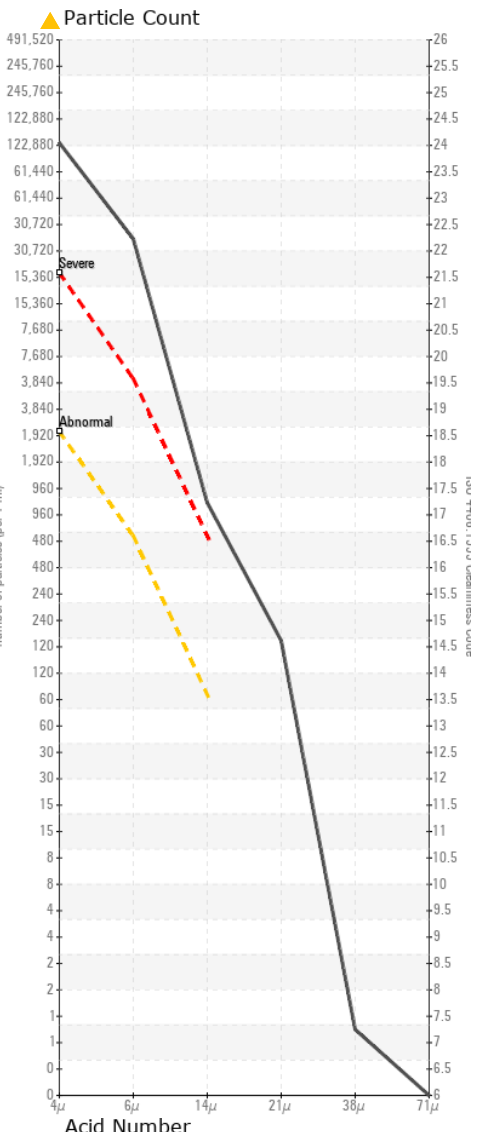
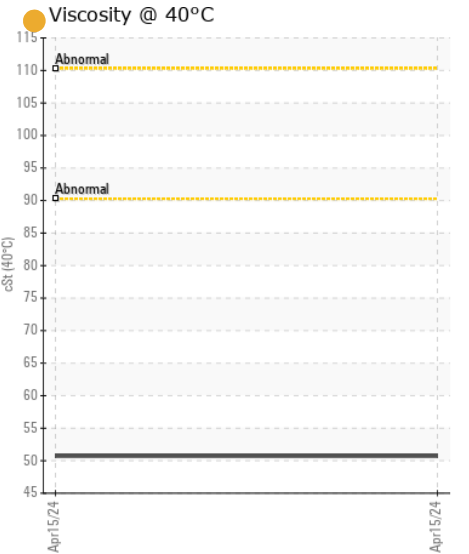
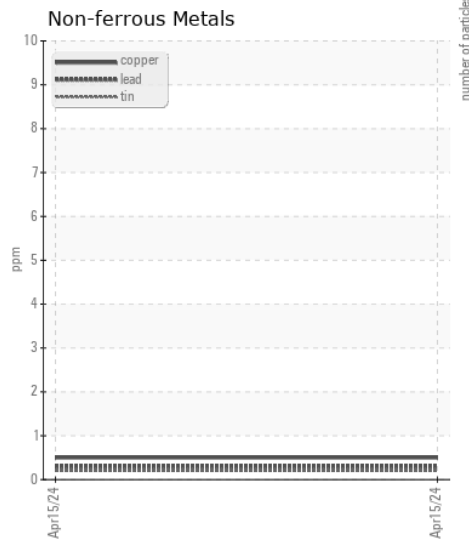
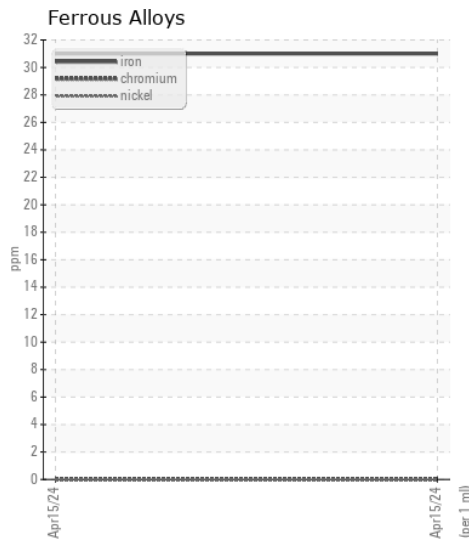
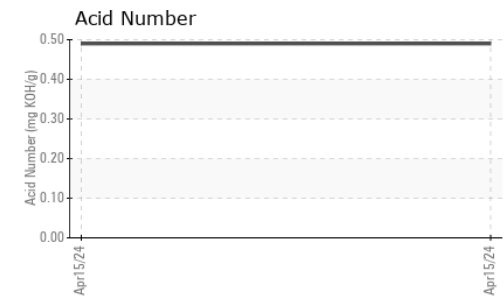
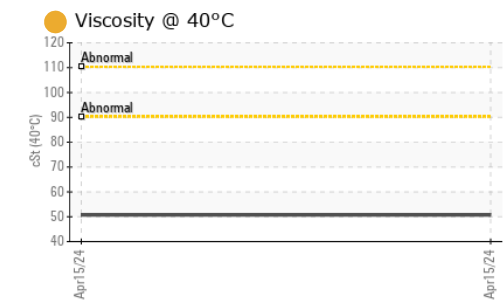
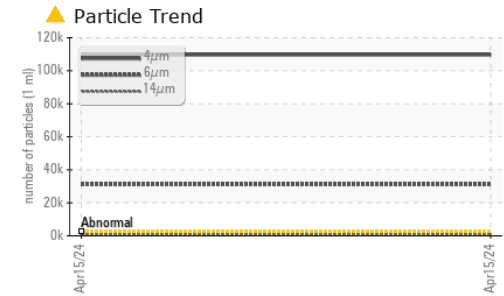
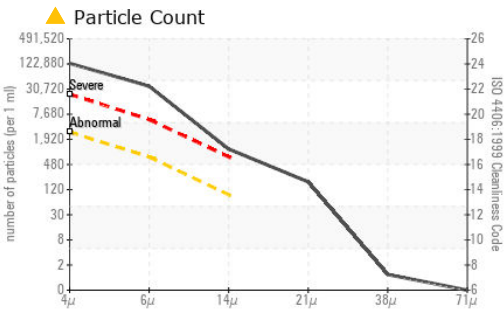
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>15	<b>12</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Particles >4µm		ASTM D7647	>2500	<b>▲ 109647</b>	---	---
Particles >6µm		ASTM D7647	>640	<b>▲ 31169</b>	---	---
Particles >14µm		ASTM D7647	>80	<b>▲ 987</b>	---	---
Particles >21µm		ASTM D7647	>20	<b>▲ 162</b>	---	---
Particles >38µm		ASTM D7647	>4	<b>1</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>▲ 24/22/17</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

The fluid viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		<b>6</b>	---	---
Boron	ppm	ASTM D5185m		<b>44</b>	---	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>24</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>109</b>	---	---
Calcium	ppm	ASTM D5185m		<b>589</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>328</b>	---	---
Zinc	ppm	ASTM D5185m		<b>328</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>2586</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.49</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>50.7</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0059794 **Received** : 18 Apr 2024  
**Lab Number** : 06153018 **Tested** : 19 Apr 2024  
**Unique Number** : 10983096 **Diagnosed** : 22 Apr 2024 - Don Baldrige  
**Test Package** : MAR 2 ( Additional Tests: PrtCount )

**MARITIME COMPANY**  
 3802 PORT RIVER RD  
 PASCAGOULA, MS  
 US 39567

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) F: (228)769-0629  
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