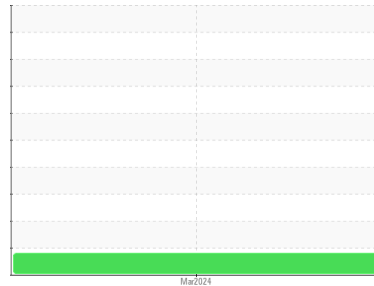


# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Area  
**B7**  
Machine Id  
**GLEASON 312101**  
Component  
**Hydraulic System**  
Fluid  
**{not provided} (60 GAL)**

### DIAGNOSIS

#### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### ▲ Wear

The copper level is abnormal. All other component wear rates are normal.

#### Contamination

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

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>FCH0000034</b>	---	---
Sample Date	Client Info		<b>27 Mar 2024</b>	---	---
Machine Age	Client Info		<b>0</b>	---	---
Oil Age	Client Info		<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>20	<b>1</b>	---	---
Chromium	ppm ASTM D5185m	>10	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m	>10	<b>2</b>	---	---
Titanium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	>10	<b>2</b>	---	---
Lead	ppm ASTM D5185m	>10	<b>3</b>	---	---
Copper	ppm ASTM D5185m	>75	<b>▲ 104</b>	---	---
Tin	ppm ASTM D5185m	>10	<b>8</b>	---	---
Vanadium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m		<b>&lt;1</b>	---	---

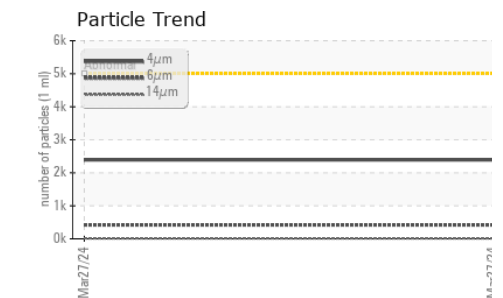
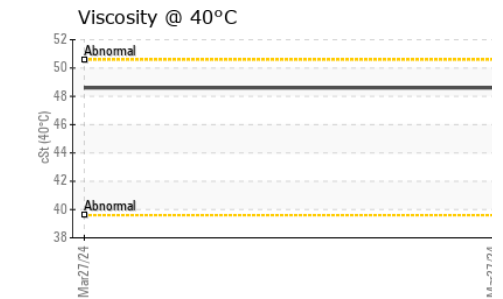
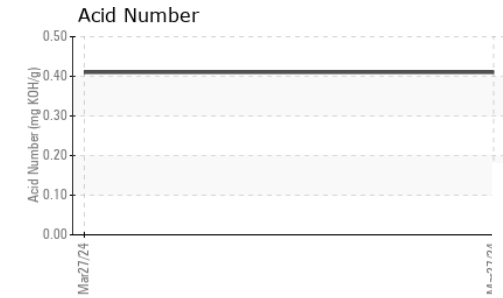
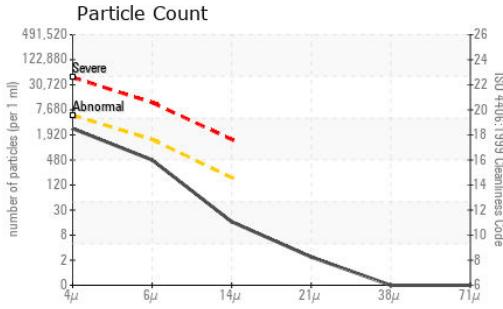
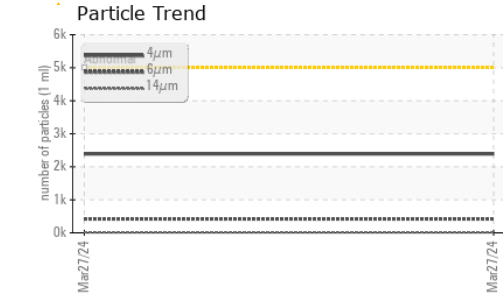
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		<b>0</b>	---	---
Barium	ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m		<b>1</b>	---	---
Manganese	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m		<b>1</b>	---	---
Calcium	ppm ASTM D5185m		<b>8</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>62</b>	---	---
Zinc	ppm ASTM D5185m		<b>9</b>	---	---
Sulfur	ppm ASTM D5185m		<b>9631</b>	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>20	<b>1</b>	---	---
Sodium	ppm ASTM D5185m		<b>2</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water	% ASTM D6304	>0.1	<b>NEG</b>	---	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>2390</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>421</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>14</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>2</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>18/16/11</b>	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		<b>0.41</b>	---	---

# OIL ANALYSIS REPORT



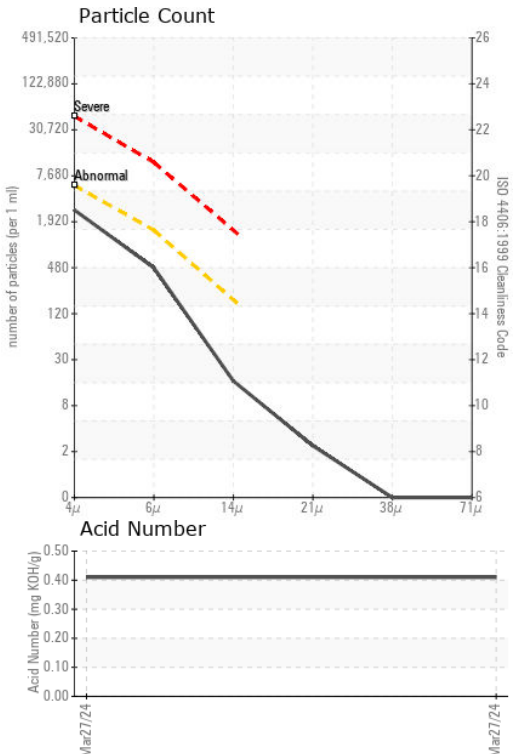
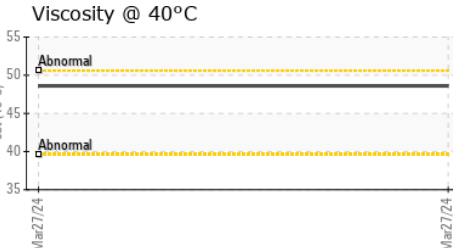
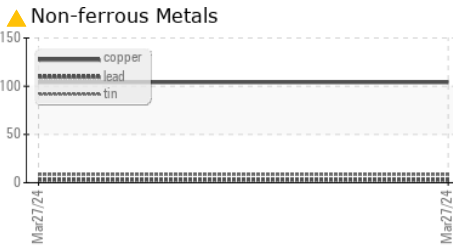
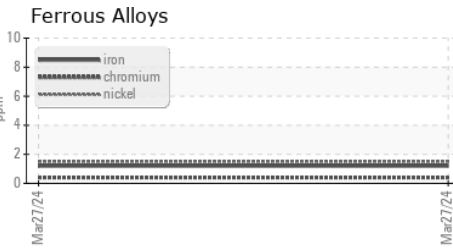
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	48.6	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : FCH0000034  
**Lab Number** : 06141247  
**Unique Number** : 10966055  
**Test Package** : PLANT

**DANA - FAIRFIELD CUSTOM GEARS AND DRIVES**  
 2400 SAGAMORE PKWY S #2400  
 LAFAYETTE, IN  
 US 47905

Contact: Service Manager  
 Jeffrey.Alexander@fuchs.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: