

# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**SC-1-2 NEW**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

- Recommendation**  
 The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor.
- Wear**  
 All component wear rates are normal.
- Contamination**  
 There is a high amount of particulates present in the oil.
- 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>TO40000348</b>	---	---
Sample Date	Client Info	<b>14 Mar 2024</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Chromium ppm ASTM D5185m	>5	<b>0</b>	---	---
Nickel ppm ASTM D5185m	>5	<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m	>5	<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>5	<b>0</b>	---	---
Lead ppm ASTM D5185m	>5	<b>0</b>	---	---
Copper ppm ASTM D5185m	>5	<b>0</b>	---	---
Tin ppm ASTM D5185m	>5	<b>0</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</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>0</b>	---	---
Manganese ppm ASTM D5185m		<b>0</b>	---	---
Magnesium ppm ASTM D5185m		<b>0</b>	---	---
Calcium ppm ASTM D5185m		<b>0</b>	---	---
Phosphorus ppm ASTM D5185m		<b>0</b>	---	---
Zinc ppm ASTM D5185m		<b>0</b>	---	---
Sulfur ppm ASTM D5185m		<b>631</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>15	<b>&lt;1</b>	---	---
Sodium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>0</b>	---	---
Water % ASTM D6304		<b>0.002</b>	---	---
ppm Water ppm ASTM D6304		<b>18</b>	---	---

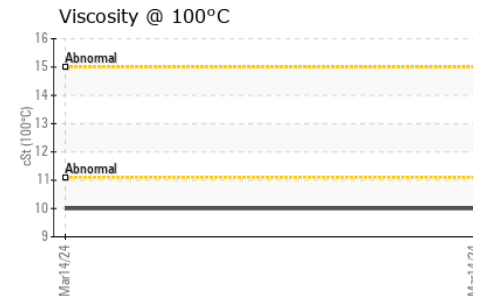
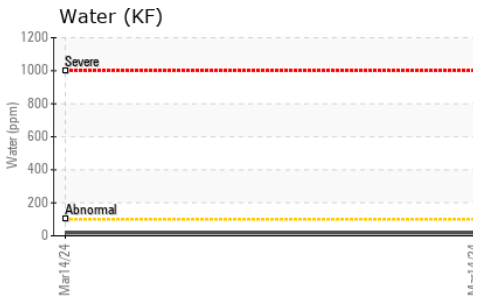
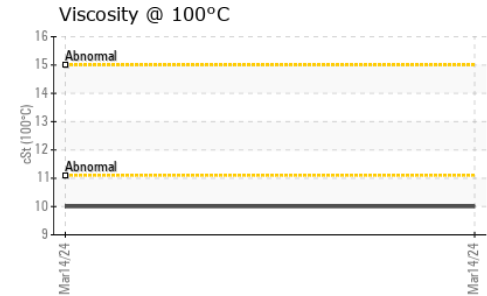
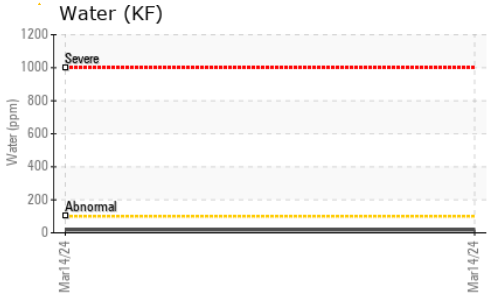
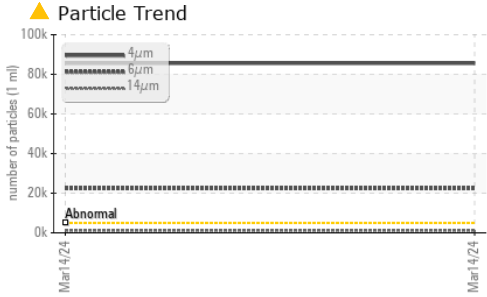
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>5000	<b>▲ 85560</b>	---	---
Particles >6µm ASTM D7647	>1300	<b>▲ 22354</b>	---	---
Particles >14µm ASTM D7647	>160	<b>▲ 1140</b>	---	---
Particles >21µm ASTM D7647	>40	<b>▲ 198</b>	---	---
Particles >38µm ASTM D7647	>10	<b>1</b>	---	---
Particles >71µm ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness ISO 4406 (c)	>19/17/14	<b>▲ 24/22/17</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.014</b>	---	---

# OIL ANALYSIS REPORT



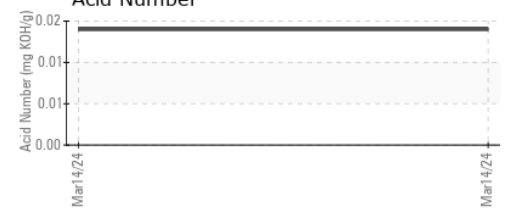
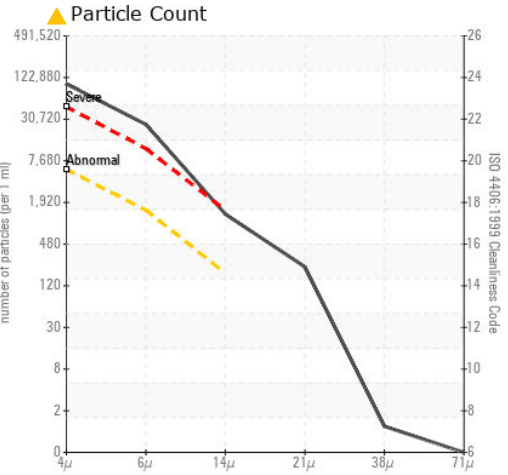
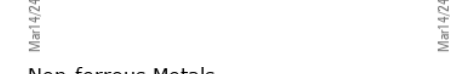
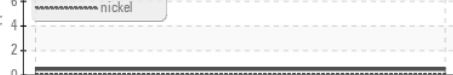
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	66.5	---	---
Visc @ 100°C	cSt	ASTM D445	10.0	---	---
Viscosity Index (VI)	Scale	ASTM D2270	134	---	---

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO40000348 **Received** : 21 Mar 2024  
**Lab Number** : 06125737 **Tested** : 25 Mar 2024  
**Unique Number** : 10939888 **Diagnosed** : 25 Mar 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: FT-IR, KF, KV100, PrtCount, VI )

**FRESH EXPRESS - MORROW**  
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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)