

# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id  
**BSAC FILM UNWIND CONE DRIVE**  
 Component  
**Gearbox**  
 Fluid  
**650 T CYL OIL (6 GAL)**

**DIAGNOSIS**

- Recommendation**  
 No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Confirm oil type.

**SAMPLE INFORMATION**    method    limit/base    current    history1    history2

Sample Number	Client Info		<b>TO60001952</b>	---	---
Sample Date	Client Info		<b>05 Apr 2024</b>	---	---
Machine Age	yrs	Client Info	<b>20</b>	---	---
Oil Age	yrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

**CONTAMINATION**    method    limit/base    current    history1    history2

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

PQ		ASTM D8184		<b>17</b>	---	---
Iron	ppm	ASTM D5185m	>200	<b>10</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>200	<b>17</b>	---	---
Tin	ppm	ASTM D5185m	>10	<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>36</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m		<b>16</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>198</b>	---	---
Zinc	ppm	ASTM D5185m		<b>8</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>10359</b>	---	---

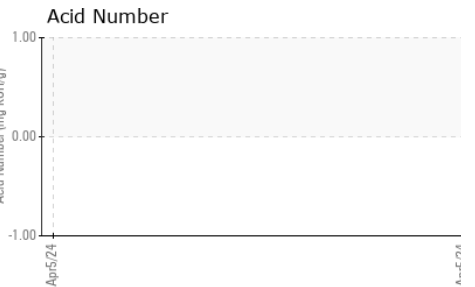
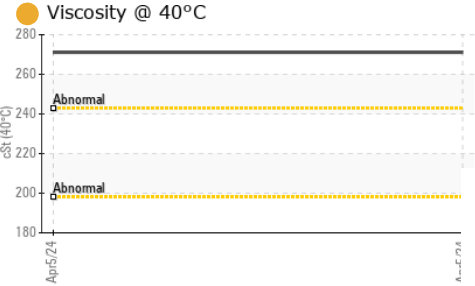
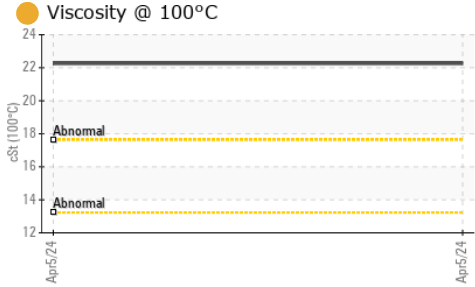
**CONTAMINANTS**    method    limit/base    current    history1    history2

Silicon	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Sodium	ppm	ASTM D5185m		<b>1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---

**VISUAL**    method    limit/base    current    history1    history2

White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</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>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

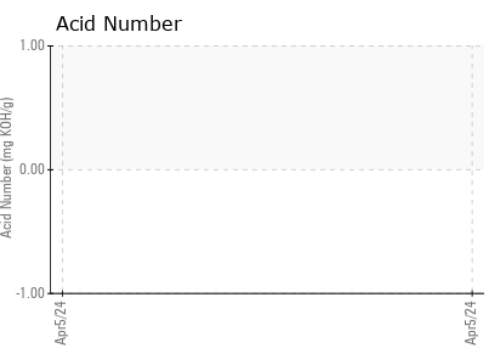
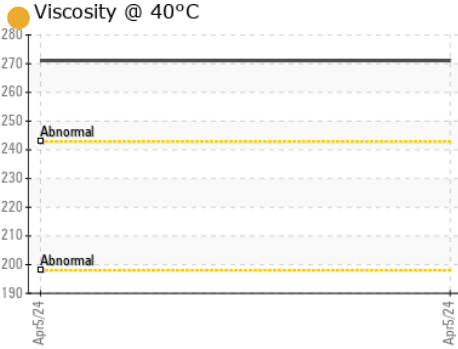
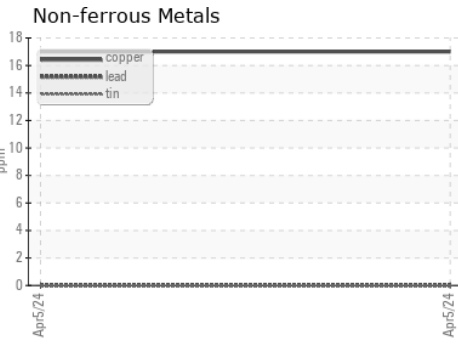
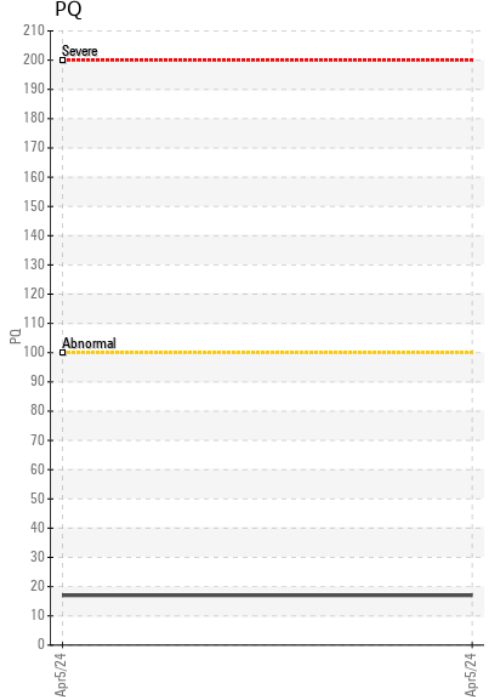
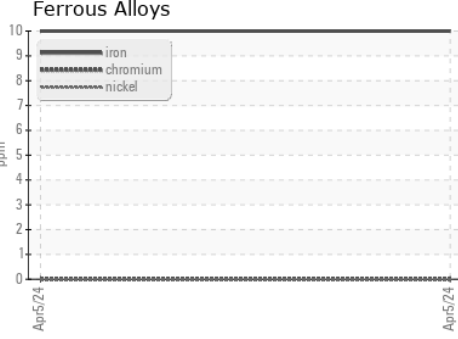
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	● 271.1	---	---
Visc @ 100°C	cSt	ASTM D445	● 22.26	---	---
Viscosity Index (VI)	Scale	ASTM D2270	99	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60001952 **Received** : 11 Apr 2024  
**Lab Number** : 06146178 **Tested** : 18 Apr 2024  
**Unique Number** : 10976256 **Diagnosed** : 18 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KV100, PQ, VI )

**3M BROWNWOOD**  
 4501 US 377 SOUTH  
 BROWNWOOD, TX  
 US 76801

Contact: RICKY GOTCHER  
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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)

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F: