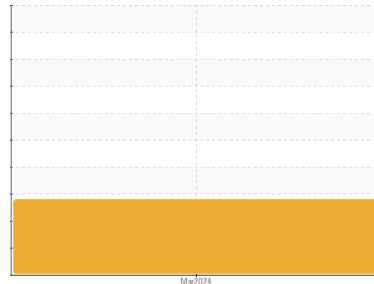




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**TOTE 76**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you filter this fluid before use.

### Wear

All wear metals 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>TLC0001657</b>	---	---
Sample Date	Client Info		<b>31 Mar 2024</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	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 >5	<b>2</b>	---	---
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m >5	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >5	<b>3</b>	---	---
Lead	ppm	ASTM D5185m >5	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m >5	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m >5	<b>&lt;1</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>89</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>136</b>	---	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>408</b>	---	---
Calcium	ppm	ASTM D5185m	<b>1160</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>586</b>	---	---
Zinc	ppm	ASTM D5185m	<b>731</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>1874</b>	---	---

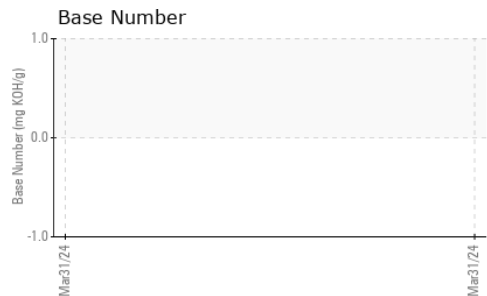
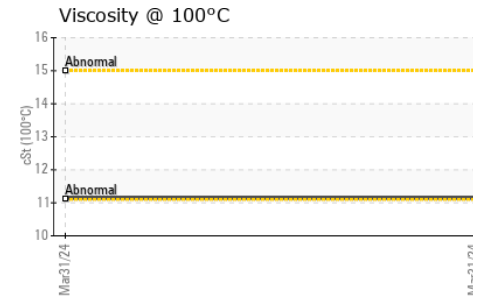
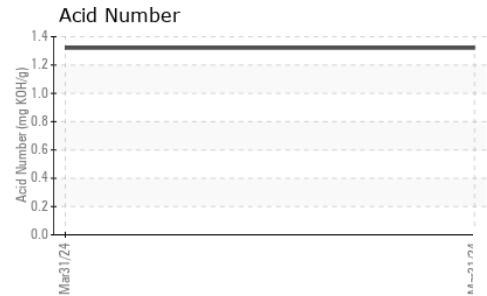
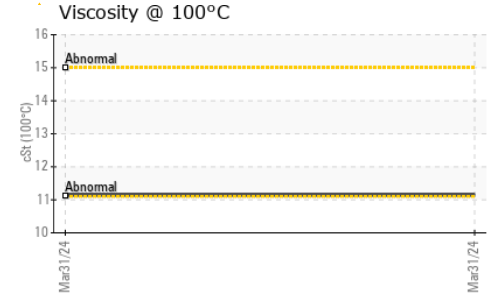
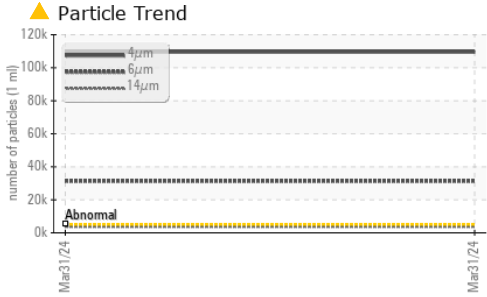
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>8</b>	---	---
Sodium	ppm	ASTM D5185m	<b>2</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	---	---
Water	%	ASTM D6304	<b>NEG</b>	---	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>▲ 109548</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>▲ 31367</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>▲ 3712</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>▲ 1285</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>▲ 64</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>▲ 4</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 24/22/19</b>	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.32</b>	---	---





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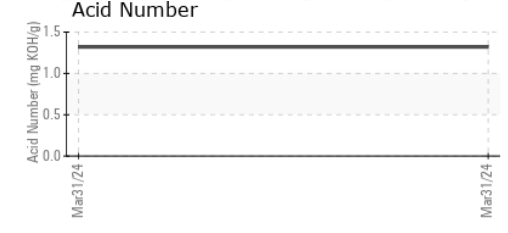
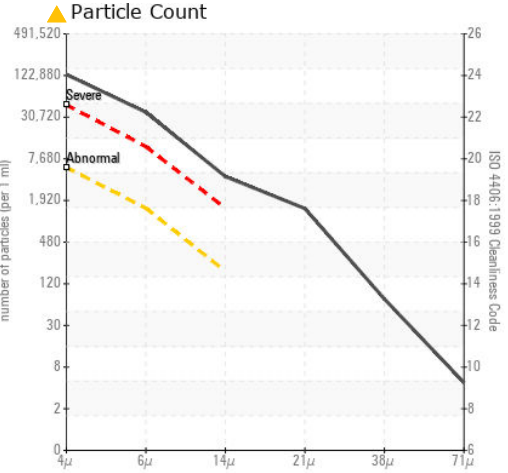
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	64.33	---	---
Visc @ 100°C	cSt	ASTM D445	11.14	---	---
Viscosity Index (VI)	Scale	ASTM D2270	167	---	---

### SAMPLE IMAGES

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TLC0001657      **Received** : 29 Mar 2024  
**Lab Number** : 06134324      **Tested** : 08 Apr 2024  
**Unique Number** : 10953789      **Diagnosed** : 08 Apr 2024 - Doug Bogart  
**Test Package** : PLANT ( Additional Tests: FT-IR, KV100, TBN, VI )

**SUPPLY PRO**  
 115 EMPIRE WAY  
 ATLANTA, GA  
 US 30354  
 Contact: MICHAEL JACKSON  
 mjackson@supplypro1.com  
 T: (470)991-1693  
 F:

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)