



# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

## TOTE 40

Component

### New (Unused) Oil

Fluid

{not provided} (--- GAL)

#### DIAGNOSIS

##### ▲ Recommendation

This is a baseline read-out on the submitted sample.

##### ▲ Wear

Copper and lead ppm levels are noted.

##### Fluid Condition

Viscosity of sample indicates oil is within 10W30 range.

#### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>TLC0000766</b>	---	---
Sample Date	Client Info		<b>16 Feb 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>ATTENTION</b>	---	---

#### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >5	<1	---	---
Chromium	ppm	ASTM D5185m >5	0	---	---
Nickel	ppm	ASTM D5185m >5	0	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m >5	0	---	---
Aluminum	ppm	ASTM D5185m >5	<1	---	---
Lead	ppm	ASTM D5185m >5	▲ 24	---	---
Copper	ppm	ASTM D5185m >5	▲ 19	---	---
Tin	ppm	ASTM D5185m >5	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

#### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	58	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	38	---	---
Manganese	ppm	ASTM D5185m	4	---	---
Magnesium	ppm	ASTM D5185m	163	---	---
Calcium	ppm	ASTM D5185m	655	---	---
Phosphorus	ppm	ASTM D5185m	536	---	---
Zinc	ppm	ASTM D5185m	405	---	---
Sulfur	ppm	ASTM D5185m	6967	---	---

#### CONTAMINANTS

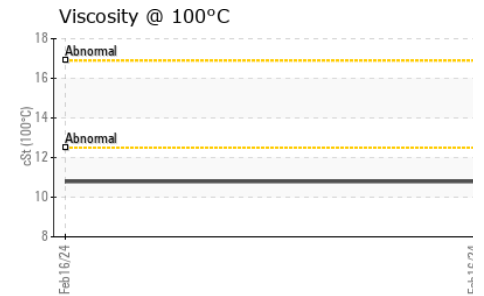
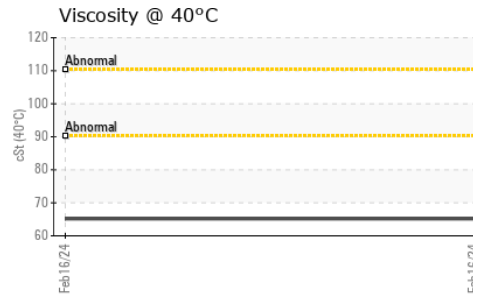
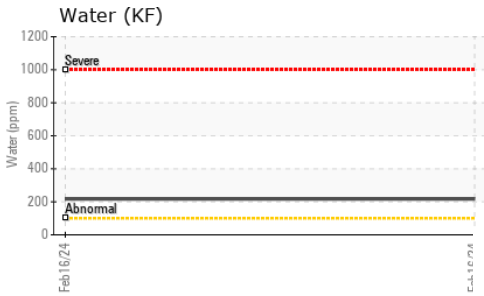
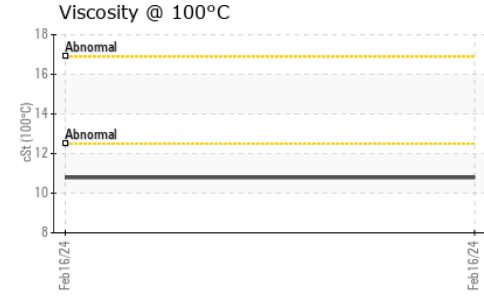
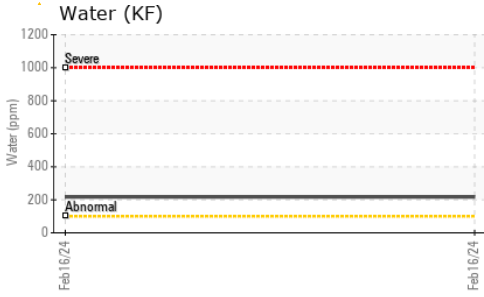
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	5	---	---
Sodium	ppm	ASTM D5185m	1	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---
Water	%	ASTM D6304	0.021	---	---
ppm Water	ppm	ASTM D6304	217	---	---

#### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.04	---	---



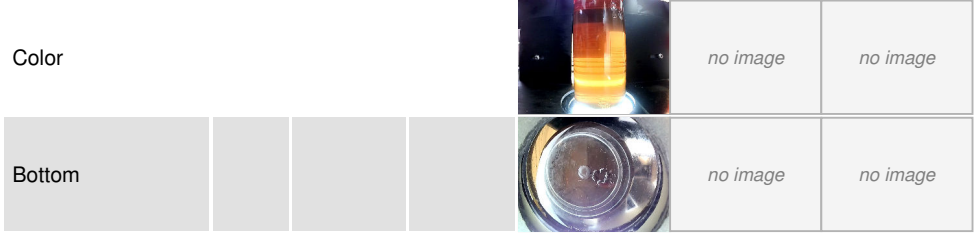
# OIL ANALYSIS REPORT



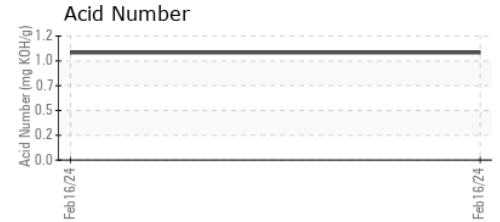
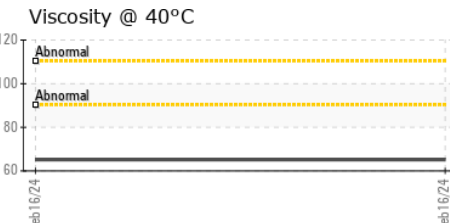
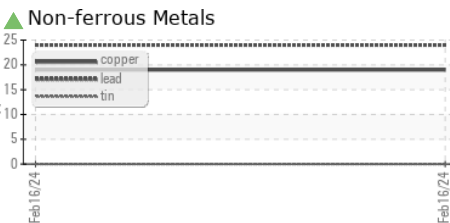
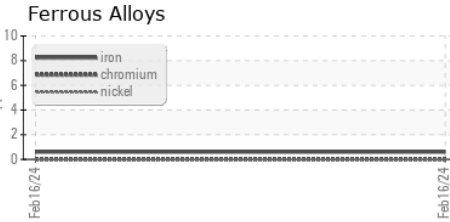
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	65.16	---	---
Visc @ 100°C	cSt	ASTM D445	10.79	---	---
Viscosity Index (VI)	Scale	ASTM D2270	156	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TLC0000766 **Received** : 23 Feb 2024  
**Lab Number** : 06099533 **Tested** : 28 Feb 2024  
**Unique Number** : 10897763 **Diagnosed** : 28 Feb 2024 - Doug Bogart  
**Test Package** : PLANT ( Additional Tests: FT-IR, ICP-NewOil, KV100, VI )

**SUPPLY PRO**  
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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)