



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**TOTE 100**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

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

### ▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>TLC0001646</b>	---	---
Sample Date	Client Info			<b>19 Apr 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>0</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>2</b>	---	---
Lead	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>143</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>53</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>181</b>	---	---
Calcium	ppm	ASTM D5185m		<b>1420</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>761</b>	---	---
Zinc	ppm	ASTM D5185m		<b>873</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>3307</b>	---	---

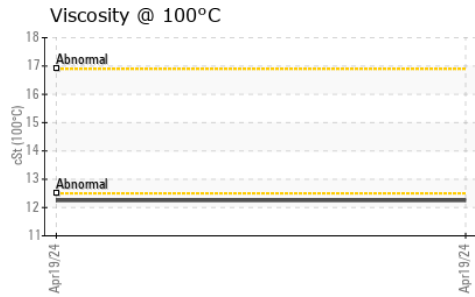
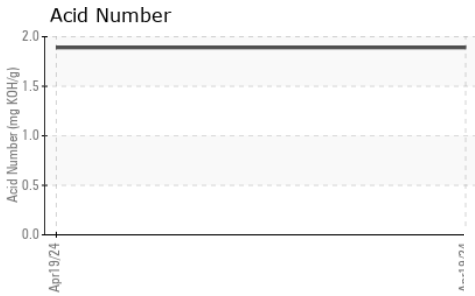
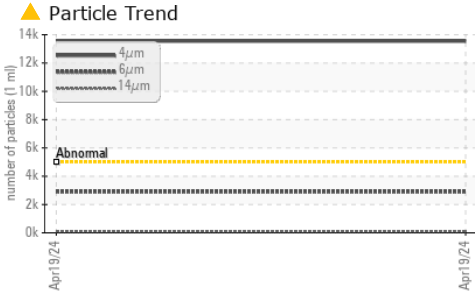
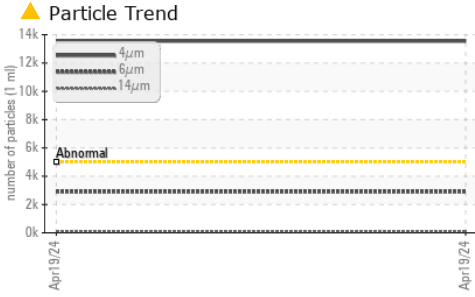
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>7</b>	---	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Water	%	ASTM D6304		<b>NEG</b>	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ <b>13547</b>	---	---
Particles >6µm		ASTM D7647	>1300	▲ <b>2906</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>106</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>17</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>21/19/14</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.89</b>	---	---



# OIL ANALYSIS REPORT



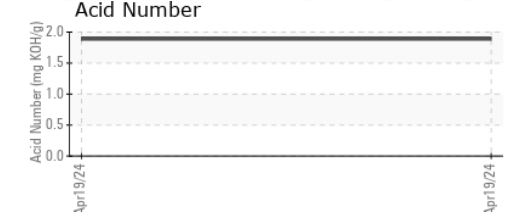
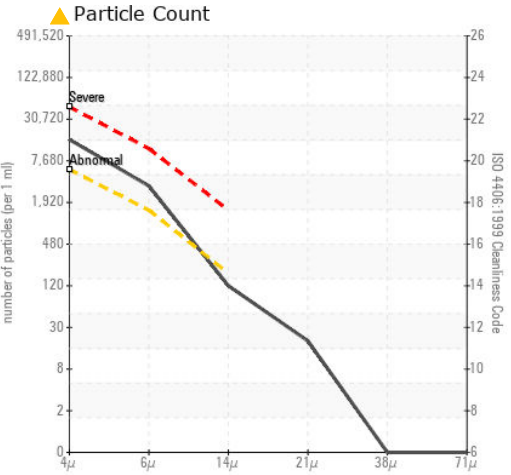
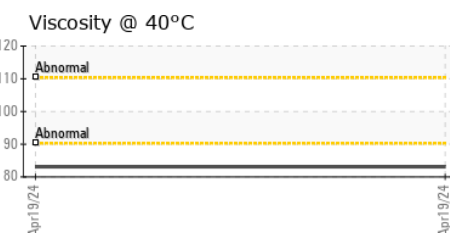
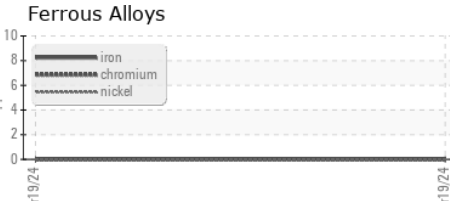
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>83.11</b>	---	---
Visc @ 100°C	cSt	ASTM D445	<b>12.25</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270	<b>143</b>	---	---

## SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TLC0001646 **Received** : 24 Apr 2024  
**Lab Number** : **06159544** **Tested** : 26 Apr 2024  
**Unique Number** : 10994967 **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : PLANT ( Additional Tests: FT-IR, ICP-NewOil, KV100, VI )

**SUPPLY PRO**  
 115 EMPIRE WAY  
 ATLANTA, GA  
 US 30354

Contact: MICHAEL JACKSON  
 mjackson@supplypro1.com  
 T: (470)991-1693

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)