



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**TOTE 163**  
 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>TLC0001625</b>	---	---
Sample Date	Client Info			<b>28 May 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>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Copper	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>23</b>	---	---
Barium	ppm	ASTM D5185m		<b>8</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>11</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>64</b>	---	---
Calcium	ppm	ASTM D5185m		<b>613</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>418</b>	---	---
Zinc	ppm	ASTM D5185m		<b>417</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>2537</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>17</b>	---	---
Sodium	ppm	ASTM D5185m		<b>3</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	---	---
Water	%	ASTM D6304		<b>NEG</b>	---	---

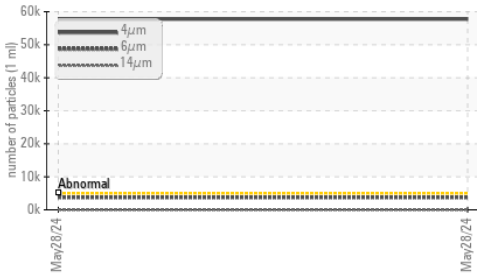
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>▲ 57750</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>▲ 3765</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>9</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>3</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 23/19/10</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.580</b>	---	---

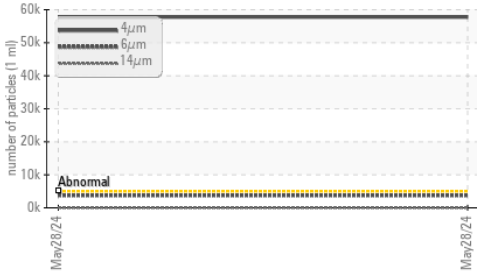


# OIL ANALYSIS REPORT

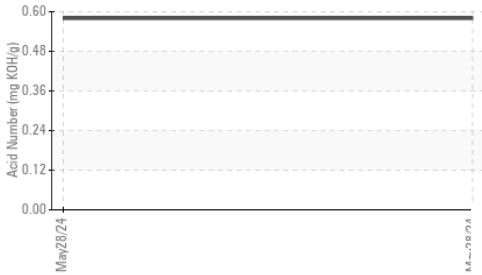
▲ Particle Trend



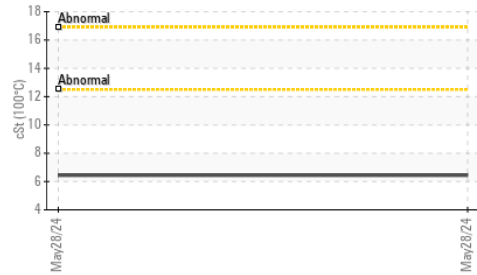
▲ Particle Trend



Acid Number



Viscosity @ 100°C



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	33.56	---	---
Visc @ 100°C	cSt	ASTM D445	6.44	---	---
Viscosity Index (VI)	Scale	ASTM D2270	147	---	---

SAMPLE IMAGES

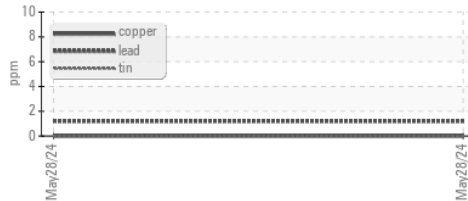
	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS

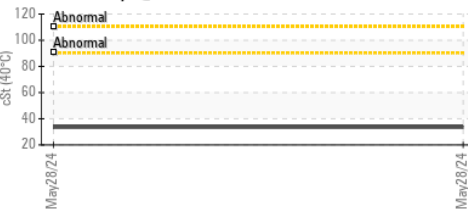
Ferrous Alloys



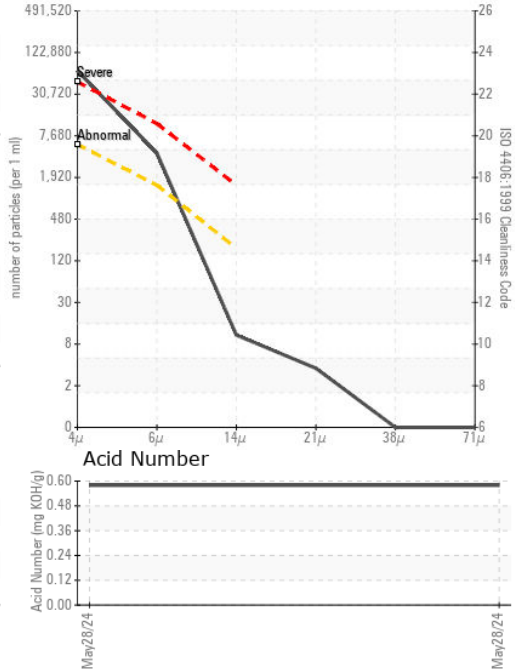
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TLC0001625      **Received** : 03 Jun 2024  
**Lab Number** : 06198105      **Tested** : 05 Jun 2024  
**Unique Number** : 11060228      **Diagnosed** : 05 Jun 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  
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 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)