



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
NORMAL
NORMAL

Machine Id
TOTE 40
Component
New (Unused) Oil
Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TLC0000766	---	---
Sample Date		Client Info		16 Feb 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ATTENTION	---	---

WEAR

Copper and lead ppm levels are noted.

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	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

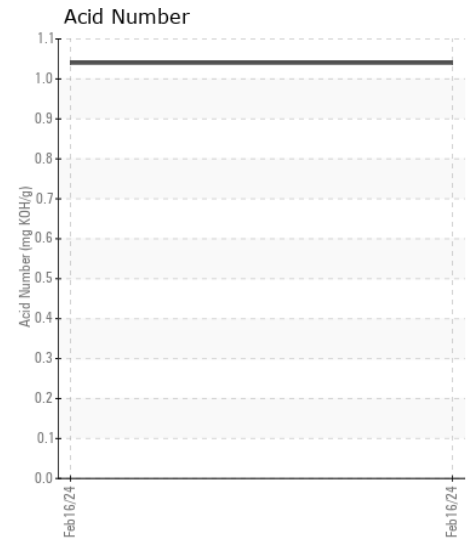
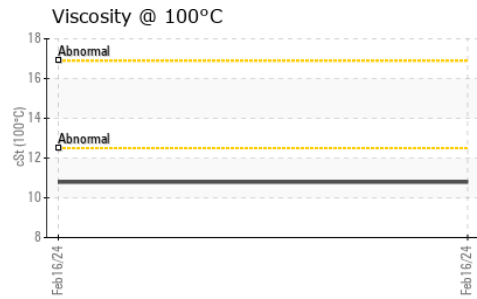
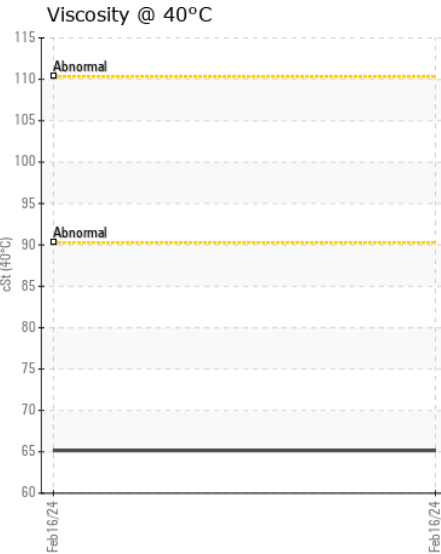
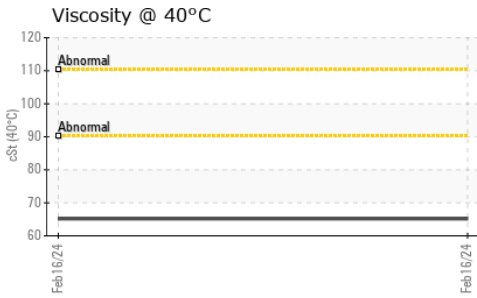
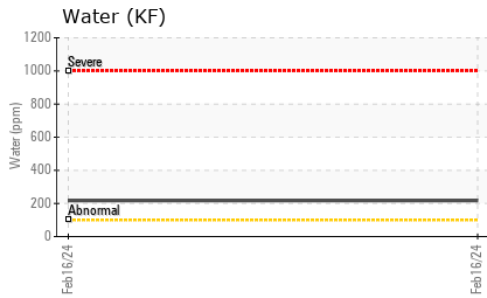
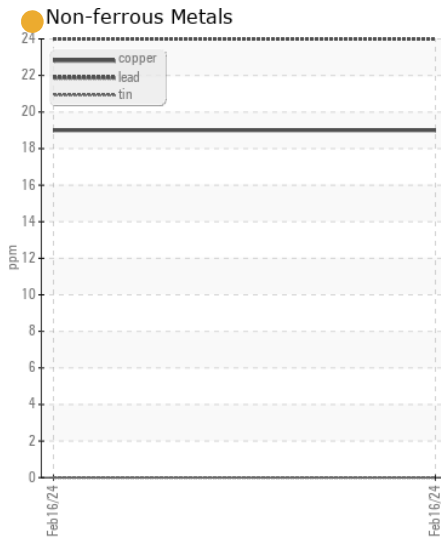
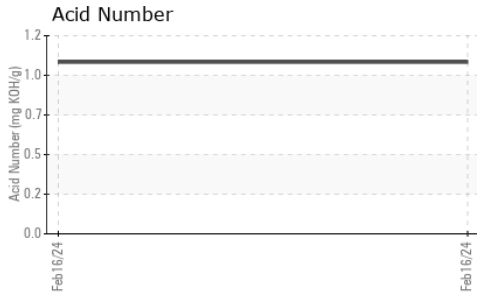
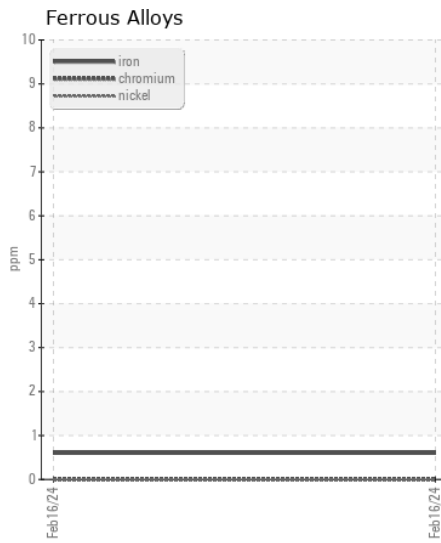
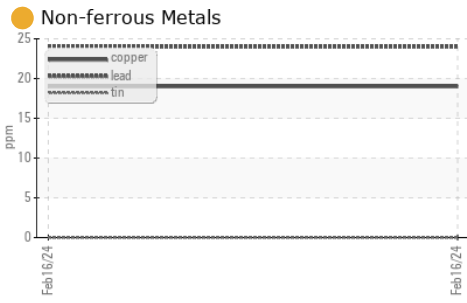
CONTAMINATION

Silicon	ppm	ASTM D5185m	>15	5	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304		0.021	---	---
ppm Water	ppm	ASTM D6304		217	---	---
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	---	---

FLUID CONDITION

Viscosity of sample indicates oil is within 10W30 range.

Sodium	ppm	ASTM D5185m		1	---	---
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	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.04	---	---
Visc @ 40°C	cSt	ASTM D445		65.16	---	---
Visc @ 100°C	cSt	ASTM D445		10.79	---	---
Viscosity Index (VI)	Scale	ASTM D2270		156	---	---



Certificate L2367

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)

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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)