



OIL ANALYSIS REPORT

WEAR	MARGINAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
TOTE 6
 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		TLC0000413	---	---
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				MARGINAL	---	---

WEAR

Copper, iron and lead ppm levels are noted.

Iron	ppm	ASTM D5185m	>5	▲ 12	---	---
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	▲ 5	---	---
Copper	ppm	ASTM D5185m	>5	▲ 7	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

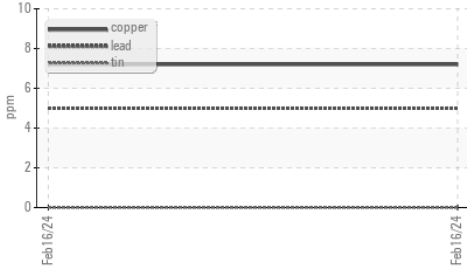
Silicon	ppm	ASTM D5185m	>15	9	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304		0.001	---	---
ppm Water	ppm	ASTM D6304		10	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		NEG	---	---

FLUID CONDITION

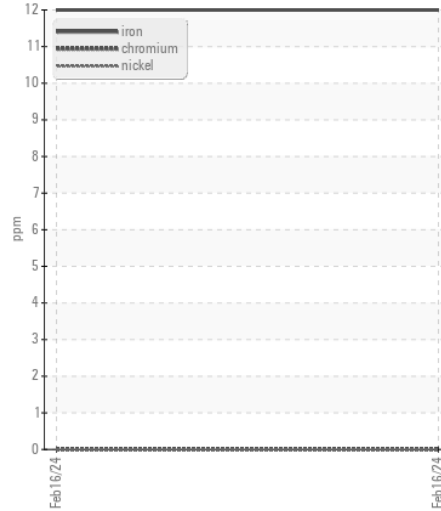
Viscosity of sample indicates oil is within 20W range. Non-engine oil probably UTF.

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		10	---	---
Calcium	ppm	ASTM D5185m		25	---	---
Phosphorus	ppm	ASTM D5185m		233	---	---
Zinc	ppm	ASTM D5185m		239	---	---
Sulfur	ppm	ASTM D5185m		742	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.40	---	---
Visc @ 40°C	cSt	ASTM D445		65.01	---	---
Visc @ 100°C	cSt	ASTM D445		8.94	---	---
Viscosity Index (VI)	Scale	ASTM D2270		112	---	---

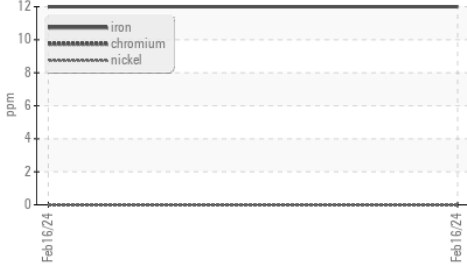
▲ Non-ferrous Metals



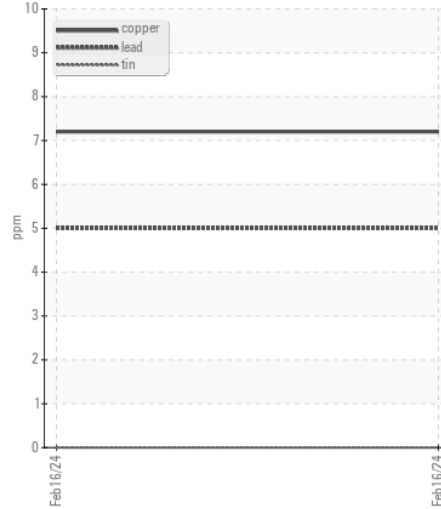
▲ Ferrous Alloys



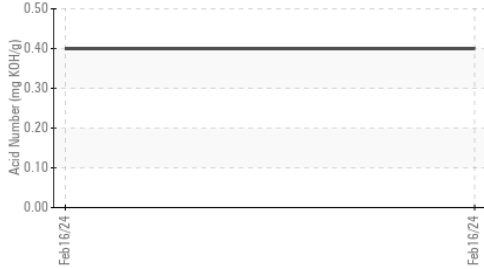
▲ Ferrous Alloys



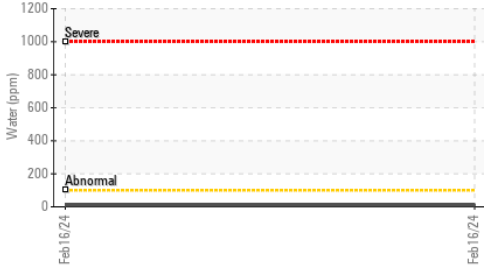
▲ Non-ferrous Metals



Acid Number



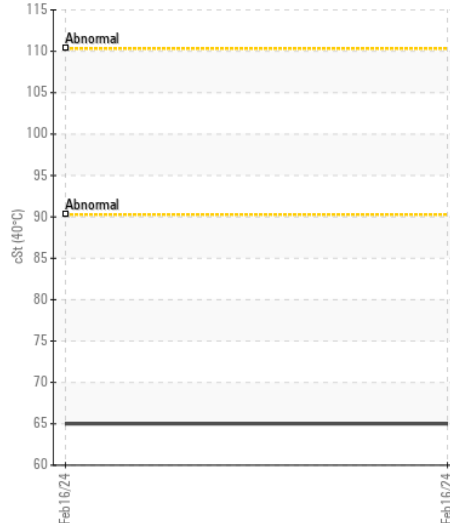
Water (KF)



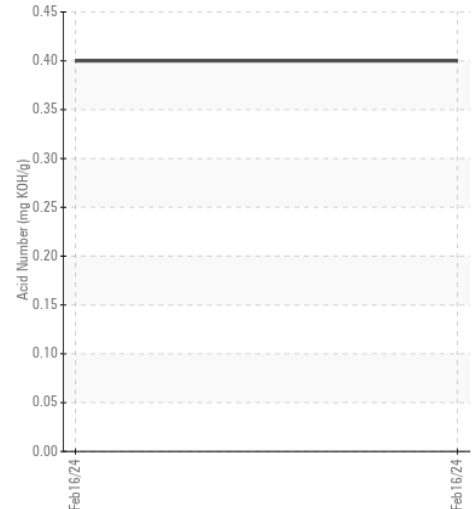
Viscosity @ 40°C



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : TLC0000413

Lab Number : 06099524

Unique Number : 10897754

Test Package : FLEET (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI)

Received : 23 Feb 2024

Tested : 28 Feb 2024

Diagnosed : 28 Feb 2024 - Doug Bogart

SUPPLY PRO

115 EMPIRE WAY

ATLANTA, GA

US 30354

Contact: MICHAEL JACKSON

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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)