



OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

NORMAL
ATTENTION
NORMAL

Machine Id  
**24B0602 RM-036**

Component  
**New (Unused) Oil**  
Fluid  
**NOT GIVEN (--- GAL)**

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		HPL0000947	---	---
Sample Date		Client Info		08 Feb 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ATTENTION	---	---

**WEAR**

Iron	ppm	ASTM D5185m		1	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		5	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

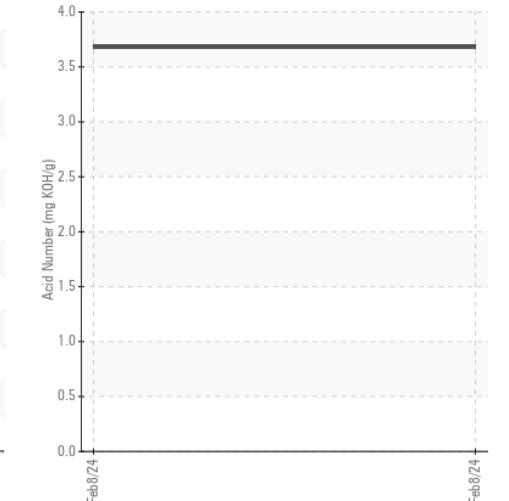
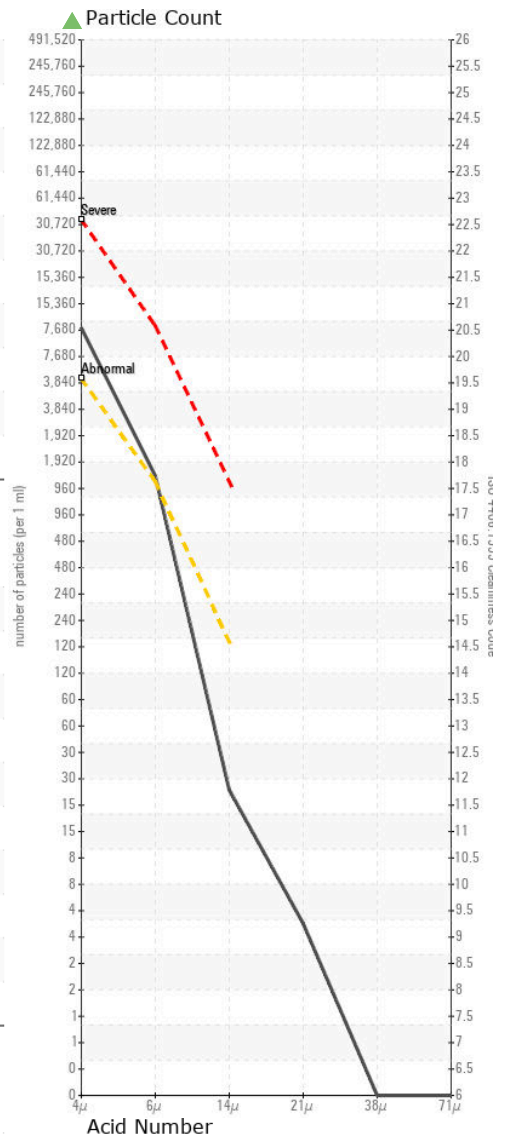
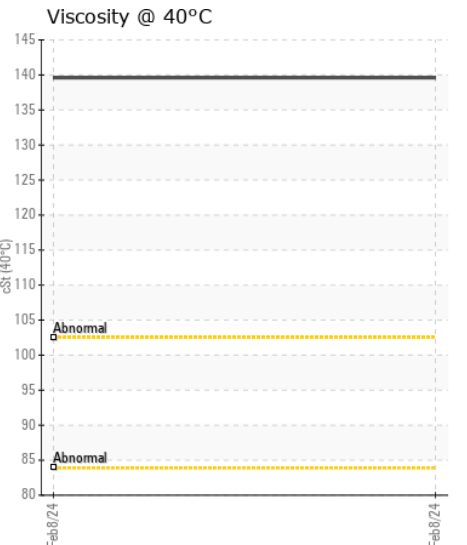
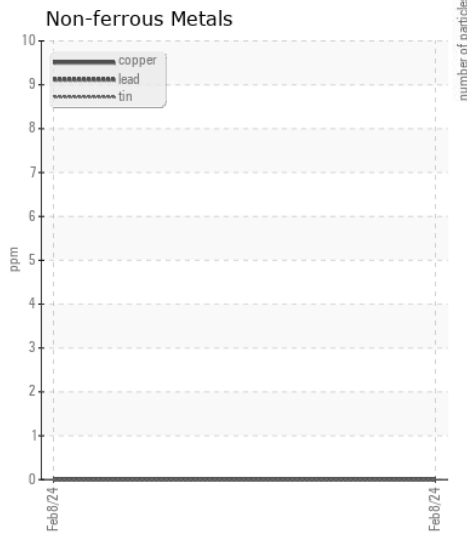
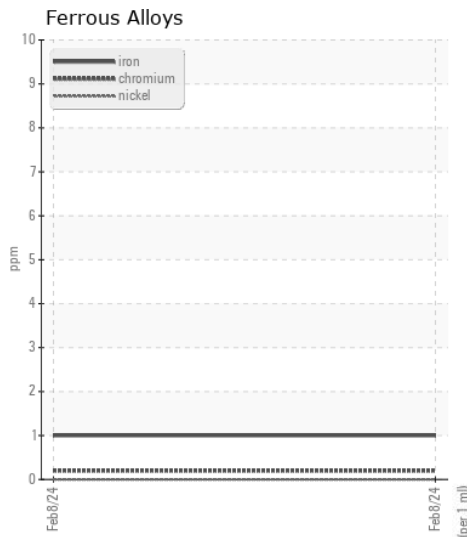
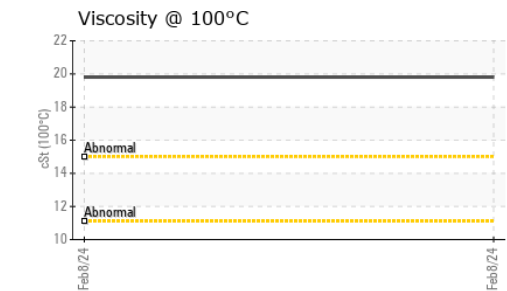
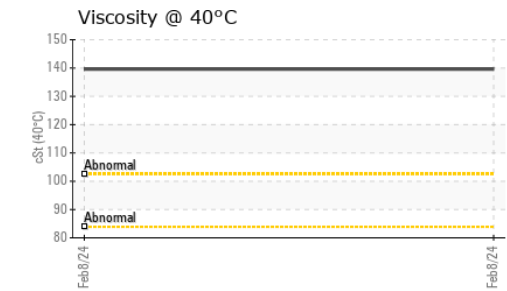
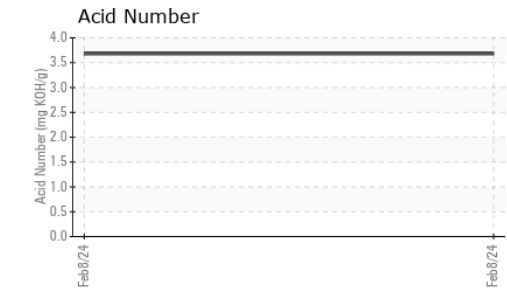
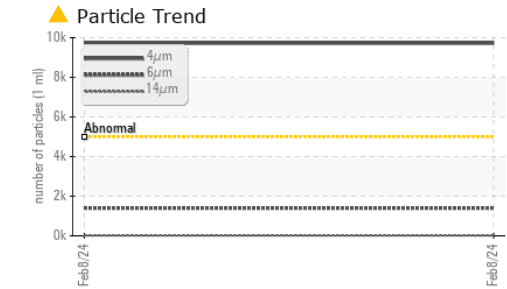
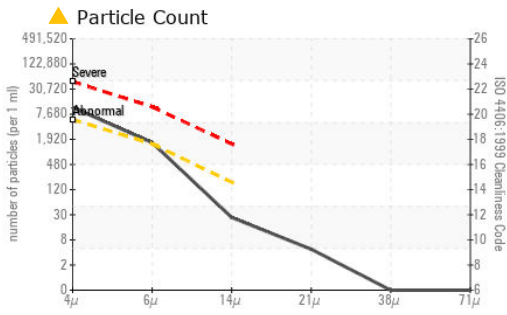
**CONTAMINATION**

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

Silicon	ppm	ASTM D5185m		16	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method		NEG	---	---
Particles >4µm		ASTM D7647	>5000	▲ 9723	---	---
Particles >6µm		ASTM D7647	>1300	▲ 1400	---	---
Particles >14µm		ASTM D7647	>160	23	---	---
Particles >21µm		ASTM D7647	>40	4	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 20/18/12	---	---
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**

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m		198	---	---
Barium	ppm	ASTM D5185m		10	---	---
Molybdenum	ppm	ASTM D5185m		523	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		375	---	---
Calcium	ppm	ASTM D5185m		2331	---	---
Phosphorus	ppm	ASTM D5185m		1764	---	---
Zinc	ppm	ASTM D5185m		2200	---	---
Sulfur	ppm	ASTM D5185m		15285	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		3.68	---	---
Visc @ 40°C	cSt	ASTM D445		139.6	---	---
Visc @ 100°C	cSt	ASTM D445		19.81	---	---
Viscosity Index (VI)	Scale	ASTM D2270		163	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : HPL0000947 **Received** : 13 Feb 2024  
**Lab Number** : 06087858 **Tested** : 15 Feb 2024  
**Unique Number** : 10875303 **Diagnosed** : 15 Feb 2024 - Jonathan Hester  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, 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)