



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**142**  
Component  
**Fluid**  
Fluid  
{not provided} (--- QTS)

## RECOMMENDATION

Resample at the next service interval to monitor. Please submit a sample of the new (unused) oil to establish a baseline.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC06044933	---	---
Sample Date		Client Info		20 Dec 2023	---	---
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

All component wear rates are normal.

Iron	ppm	ASTM D5185m		4	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		0	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

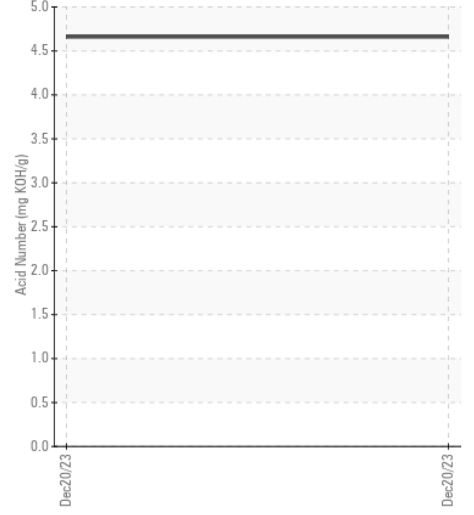
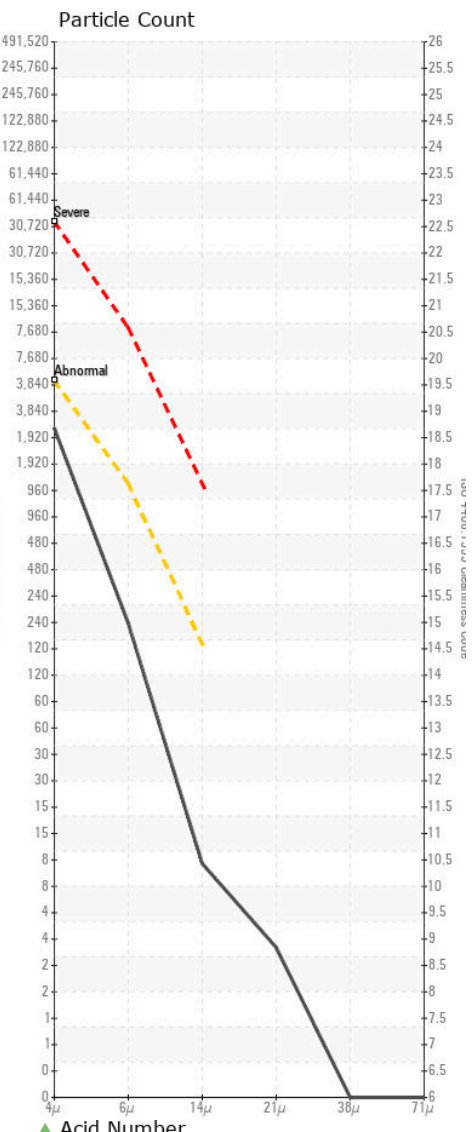
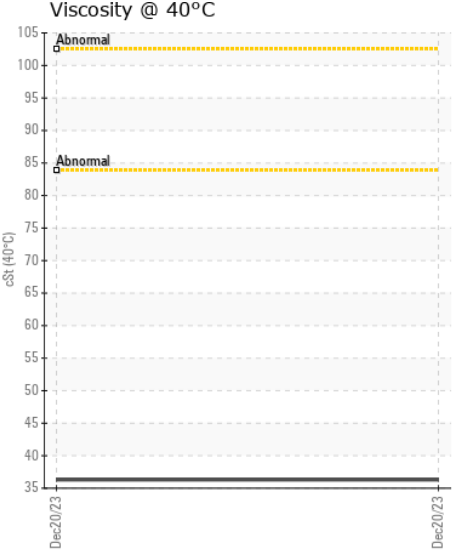
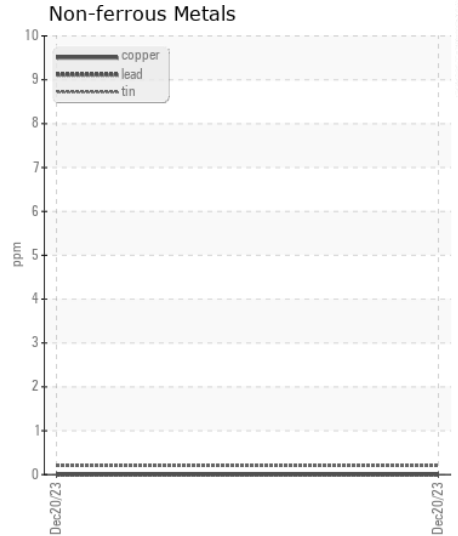
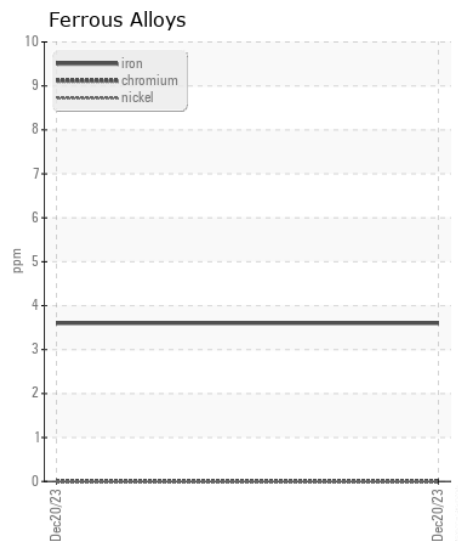
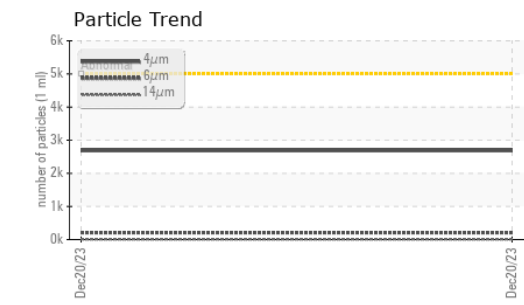
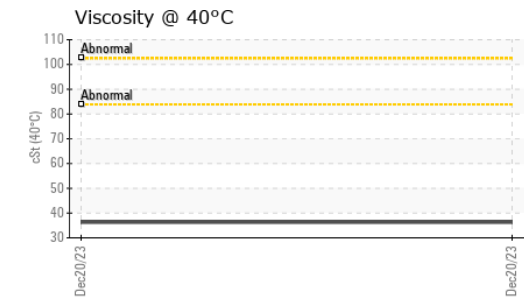
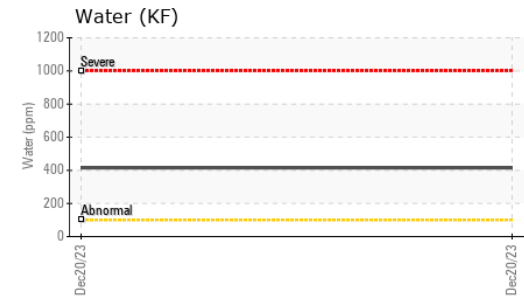
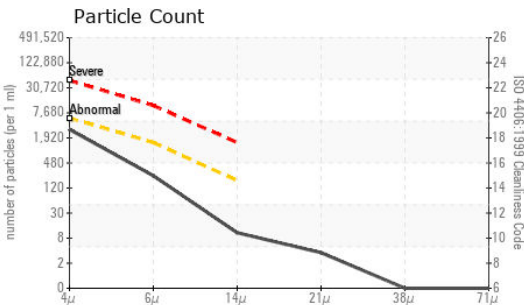
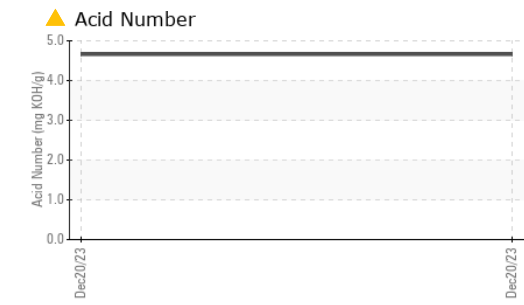
The water content is negligible. There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m		<1	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304		0.041	---	---
ppm Water	ppm	ASTM D6304		415	---	---
Particles >4µm		ASTM D7647	>5000	2686	---	---
Particles >6µm		ASTM D7647	>1300	209	---	---
Particles >14µm		ASTM D7647	>160	9	---	---
Particles >21µm		ASTM D7647	>40	3	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/15/10	---	---
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

The AN level is at the top-end of the recommended limit. Confirm oil type.

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m		96	---	---
Barium	ppm	ASTM D5185m		4	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		9	---	---
Calcium	ppm	ASTM D5185m		31	---	---
Phosphorus	ppm	ASTM D5185m		642	---	---
Zinc	ppm	ASTM D5185m		35	---	---
Sulfur	ppm	ASTM D5185m		38725	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 4.66	---	---
Visc @ 40°C	cSt	ASTM D445		36.3	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC06044933 **Received** : 26 Dec 2023  
**Lab Number** : 06044933 **Diagnosed** : 27 Dec 2023  
**Unique Number** : 10805541 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**METALUBE INC**  
 56 CYPRESS DR  
 YOUNGVILLE, NC  
 US 27596  
 Contact: CHRIS BARNES  
 cbarnes@metalubeinc.com  
 T: (919)554-3024  
 F: (919)554-3023

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)