



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**440**  
 Component  
**Fluid**  
 Fluid  
 {not provided} (--- QTS)

## RECOMMENDATION

This is a baseline read-out on the submitted sample. Chlorine measured at 502 ppm. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC06044935	---	---
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				NORMAL	---	---

## WEAR

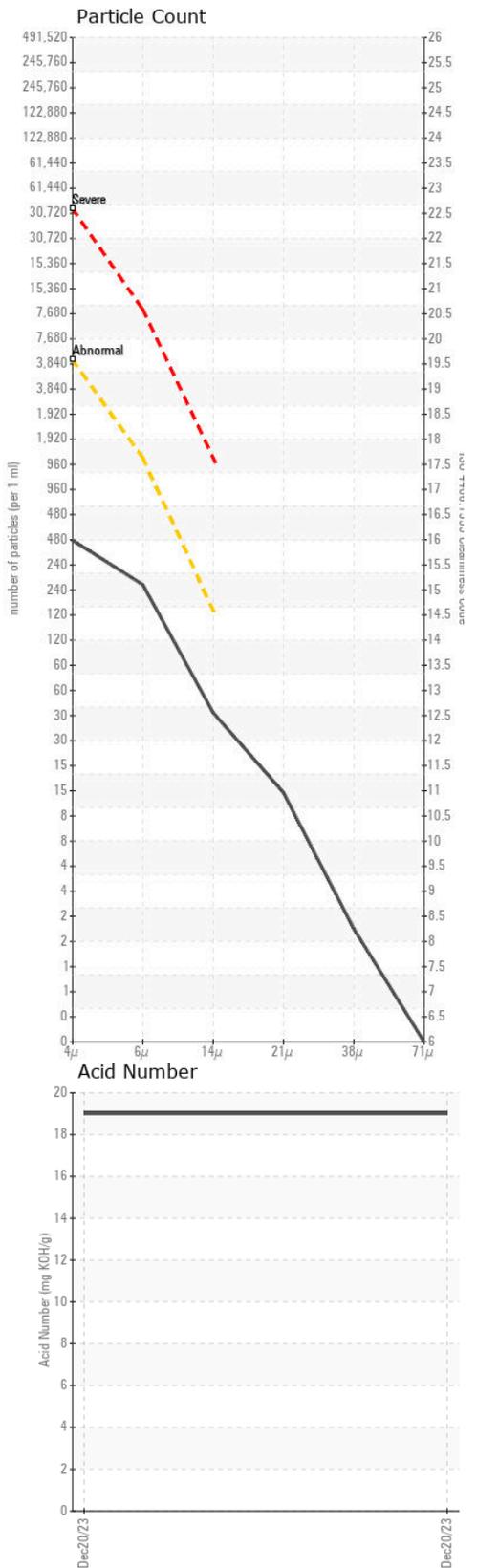
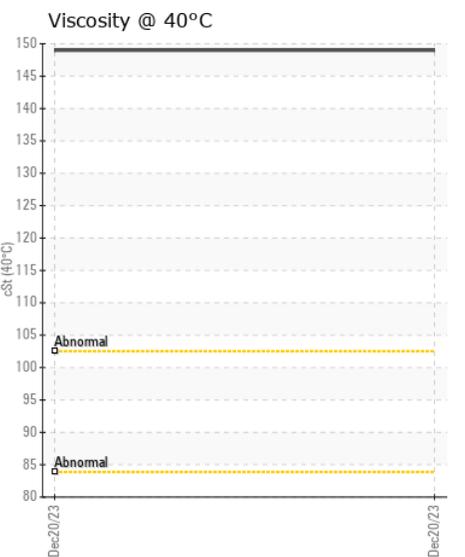
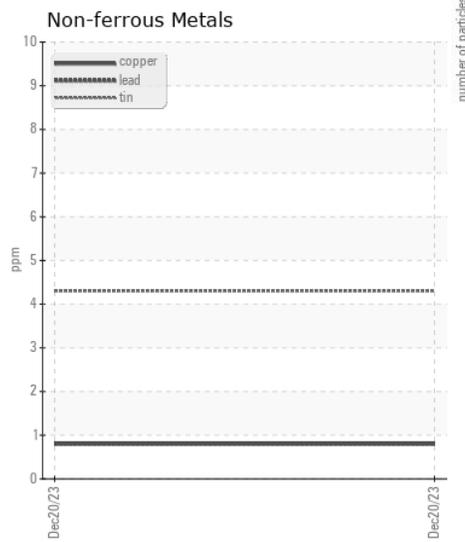
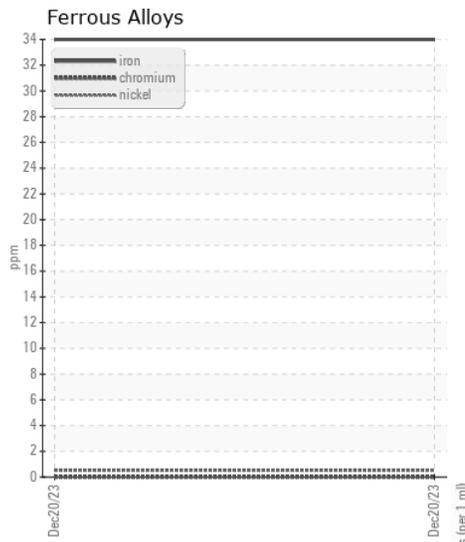
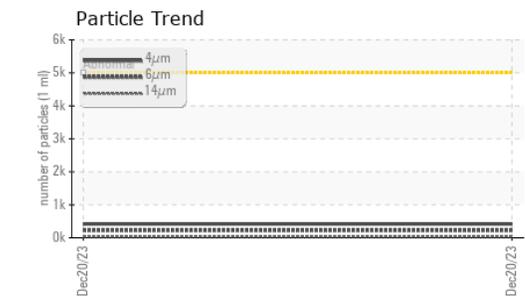
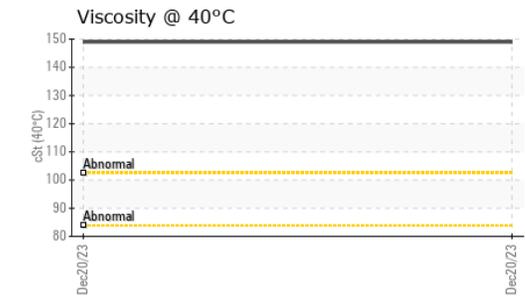
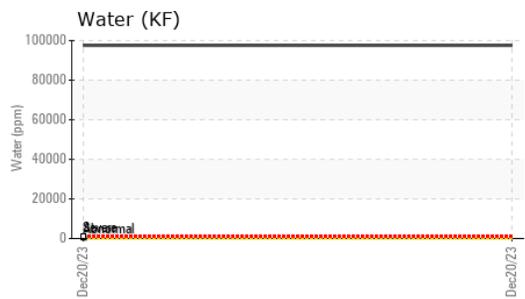
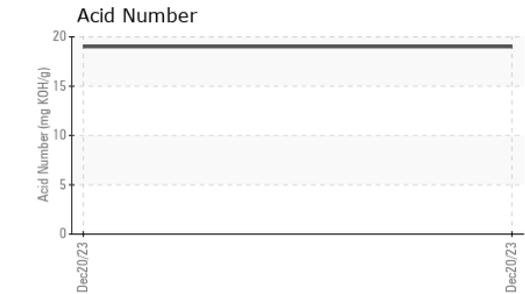
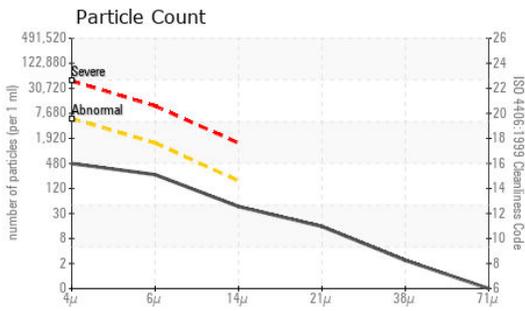
Iron	ppm	ASTM D5185m		34	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		<1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		2	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		<1	---	---
Tin	ppm	ASTM D5185m		4	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

Silicon	ppm	ASTM D5185m		38	---	---
Potassium	ppm	ASTM D5185m	>20	11	---	---
Chlorine Content	ppm	ASTM D5185m		502	---	---
Water	%	ASTM D6304		9.76	---	---
ppm Water	ppm	ASTM D6304		97600	---	---
Particles >4µm		ASTM D7647	>5000	418	---	---
Particles >6µm		ASTM D7647	>1300	227	---	---
Particles >14µm		ASTM D7647	>160	39	---	---
Particles >21µm		ASTM D7647	>40	13	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/12	---	---
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		0.2%	---	---

## FLUID CONDITION

Sodium	ppm	ASTM D5185m		527	---	---
Boron	ppm	ASTM D5185m		9	---	---
Barium	ppm	ASTM D5185m		33	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m		30	---	---
Calcium	ppm	ASTM D5185m		90	---	---
Phosphorus	ppm	ASTM D5185m		190	---	---
Zinc	ppm	ASTM D5185m		111	---	---
Sulfur	ppm	ASTM D5185m		1357	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		19.01	---	---
Visc @ 40°C	cSt	ASTM D445		149	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC06044935 **Received** : 26 Dec 2023  
**Lab Number** : 06044935 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10805543 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: CHLORINEXRF, KF, PrtCount )

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)

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