



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**5090**  
 Component  
**Fluid**  
 Fluid  
 {not provided} (--- QTS)

## RECOMMENDATION

This is a baseline read-out on the submitted sample. 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		<b>WC06044934</b>	---	---
Sample Date		Client Info		<b>20 Dec 2023</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

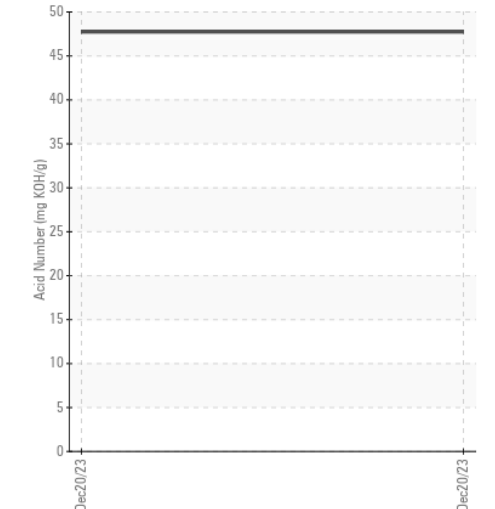
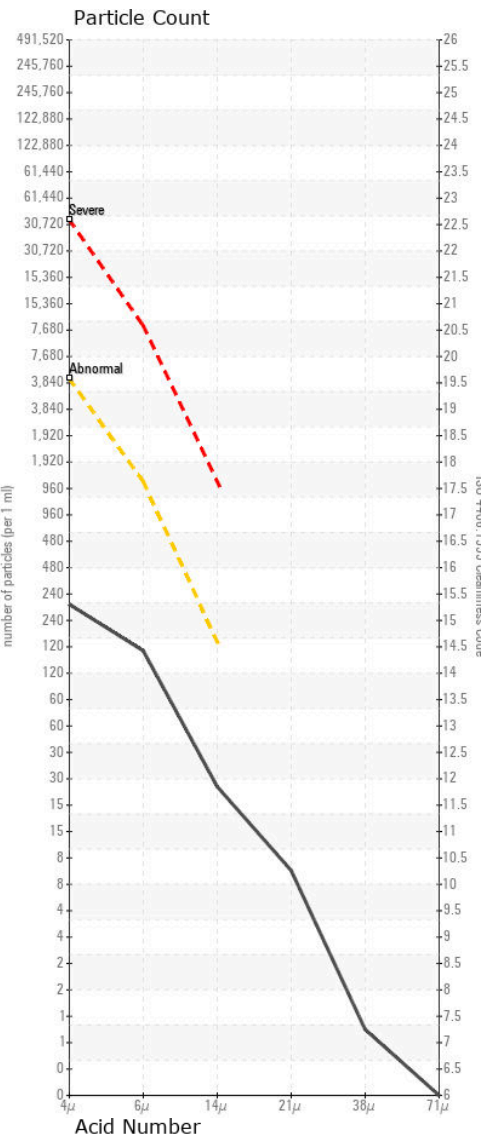
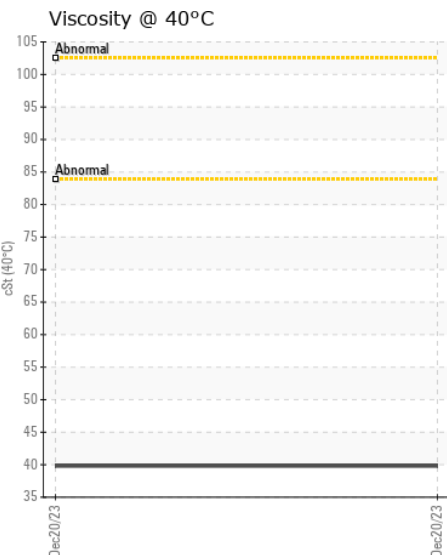
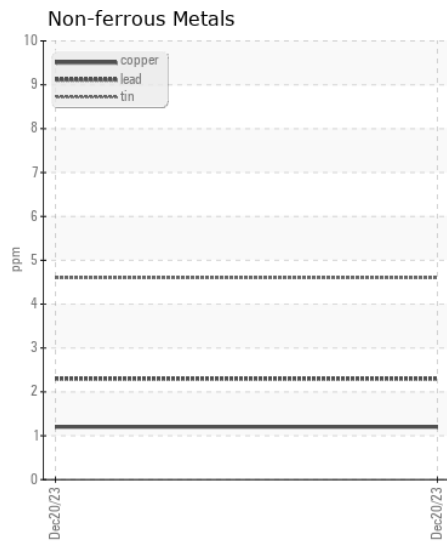
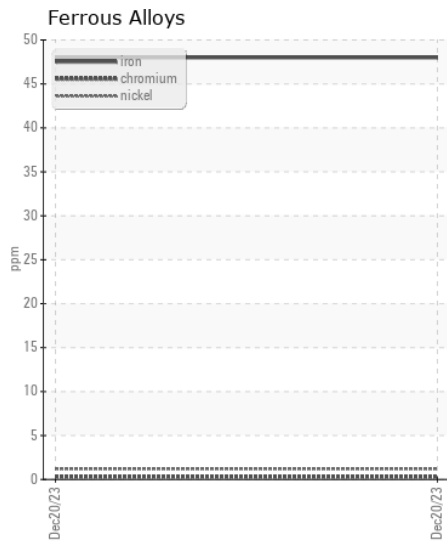
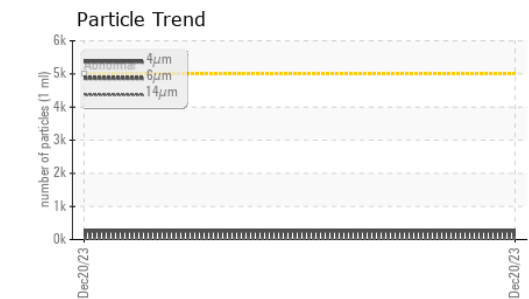
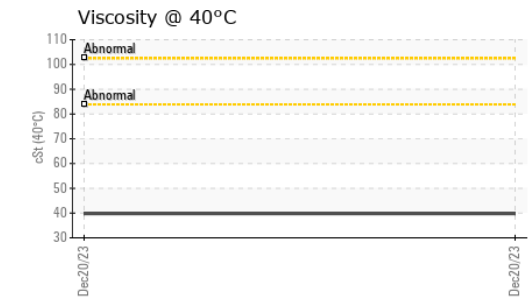
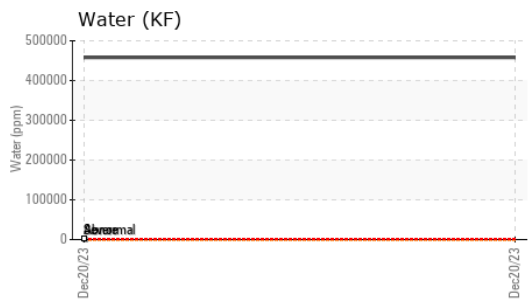
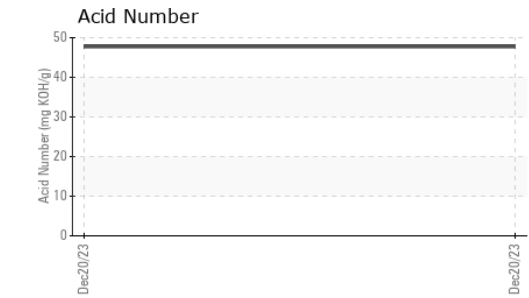
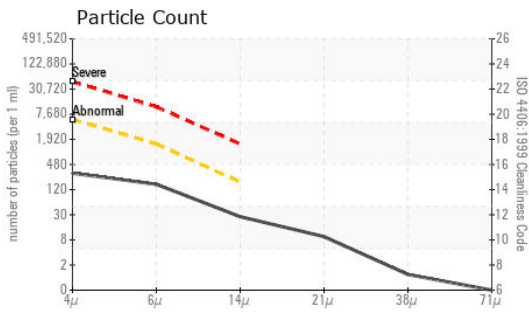
Iron	ppm	ASTM D5185m		<b>48</b>	---	---
Chromium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m		<b>1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>4</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m		<b>3</b>	---	---
Lead	ppm	ASTM D5185m		<b>2</b>	---	---
Copper	ppm	ASTM D5185m		<b>1</b>	---	---
Tin	ppm	ASTM D5185m		<b>5</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

Silicon	ppm	ASTM D5185m		<b>23</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>70</b>	---	---
Water	%	ASTM D6304		<b>45.8</b>	---	---
ppm Water	ppm	ASTM D6304		<b>458000</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>261</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>142</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>24</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>8</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>15/14/12</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual		<b>0.2%</b>	---	---

## FLUID CONDITION

Sodium	ppm	ASTM D5185m		<b>148</b>	---	---
Boron	ppm	ASTM D5185m		<b>18</b>	---	---
Barium	ppm	ASTM D5185m		<b>97</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>9</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>58</b>	---	---
Calcium	ppm	ASTM D5185m		<b>374</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>834</b>	---	---
Zinc	ppm	ASTM D5185m		<b>762</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>941</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>47.74</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>39.8</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC06044934 **Received** : 26 Dec 2023  
**Lab Number** : 06044934 **Diagnosed** : 08 Jan 2024  
**Unique Number** : 10805542 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: 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)

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