



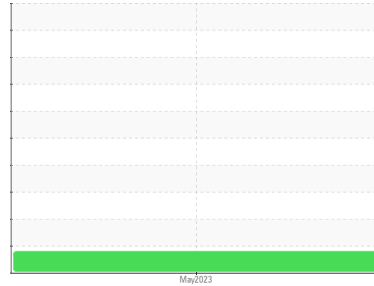
# PROBLEM SUMMARY

Sample Rating Trend

WEAR

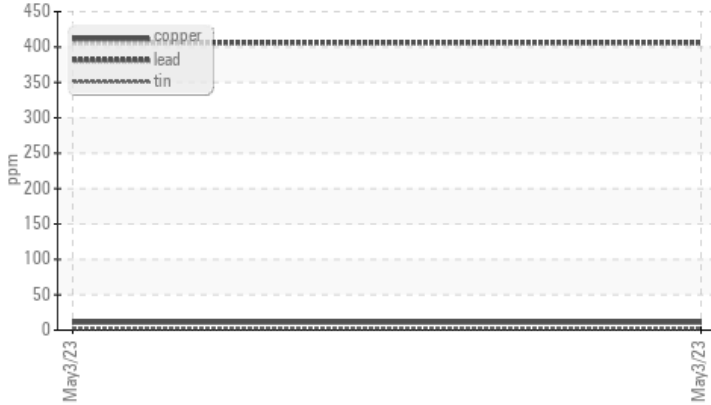


Machine Id  
**B6386923**  
Component  
**Gasoline Engine**  
Fluid  
**VALVOLINE 15W40 (3 QTS)**



## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



## RECOMMENDATION

We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Lead	ppm	ASTM D5185m	>50	▲ 406	---	---

Customer Id: ALNEAS  
Sample No.: WCMC150165  
Lab Number: 05841185  
Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data:  
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Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**B6386923**  
 Component  
**Gasoline Engine**  
 Fluid  
**VALVOLINE 15W40 (3 QTS)**

## DIAGNOSIS

### ▲ Recommendation

We recommend an early resample to monitor this condition.

### ▲ Wear

Lead ppm levels are abnormal. Bearing wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WCMC150165</b>	---	---
Sample Date	Client Info	<b>03 May 2023</b>	---	---
Machine Age	mls	Client Info	<b>42000</b>	---
Oil Age	mls	Client Info	<b>1000</b>	---
Oil Changed	Client Info	<b>Not Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >4.0	<b>&lt;1.0</b>	---	---
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >150	<b>115</b>	---	---
Chromium	ppm ASTM D5185m >20	<b>3</b>	---	---
Nickel	ppm ASTM D5185m >5	<b>1</b>	---	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m >2	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >40	<b>24</b>	---	---
Lead	ppm ASTM D5185m >50	<b>▲ 406</b>	---	---
Copper	ppm ASTM D5185m >155	<b>11</b>	---	---
Tin	ppm ASTM D5185m >10	<b>3</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>171</b>	---	---
Barium	ppm ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>1</b>	---	---
Manganese	ppm ASTM D5185m	<b>2</b>	---	---
Magnesium	ppm ASTM D5185m	<b>200</b>	---	---
Calcium	ppm ASTM D5185m	<b>2157</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>966</b>	---	---
Zinc	ppm ASTM D5185m	<b>1226</b>	---	---
Sulfur	ppm ASTM D5185m	<b>3735</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >30	<b>11</b>	---	---
Sodium	ppm ASTM D5185m >400	<b>29</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>9</b>	---	---

## INFRA-RED

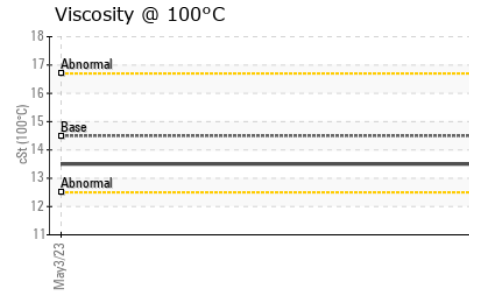
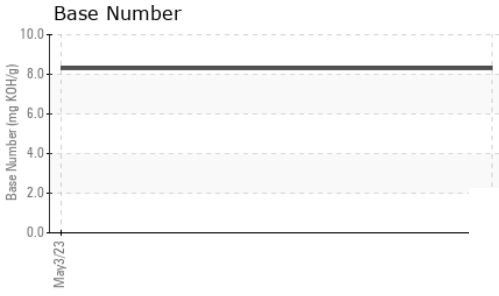
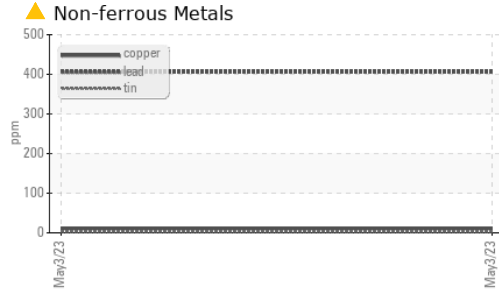
method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	<b>0.1</b>	---	---
Nitration	Abs/cm *ASTM D7624 >20	<b>6.4</b>	---	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>18.0</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>14.8</b>	---	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>8.3</b>	---	---



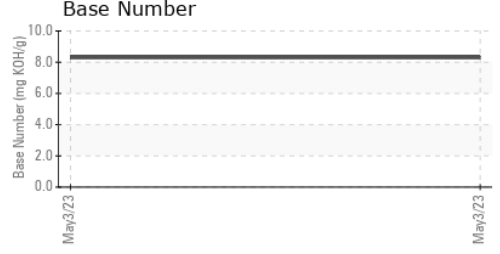
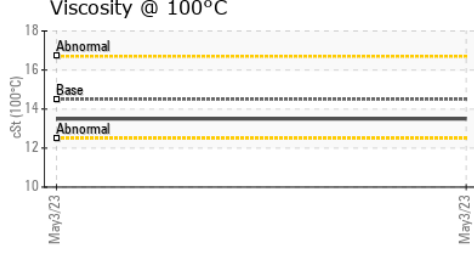
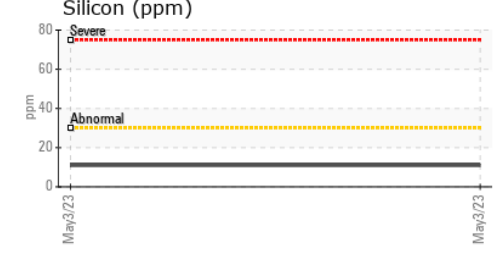
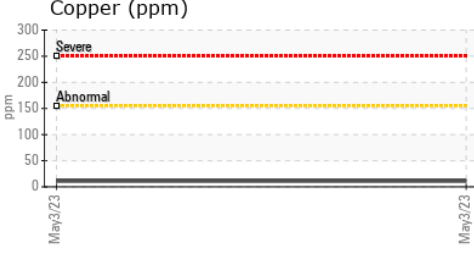
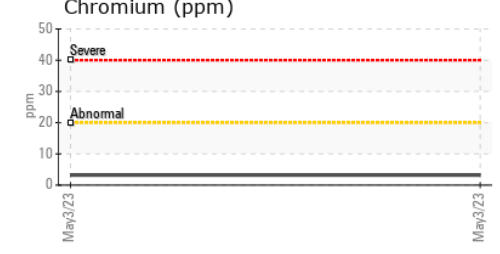
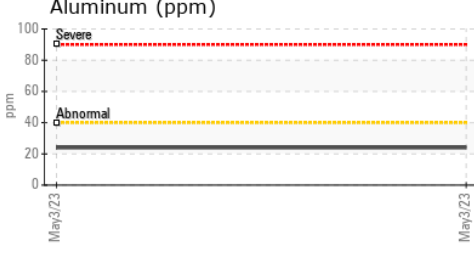
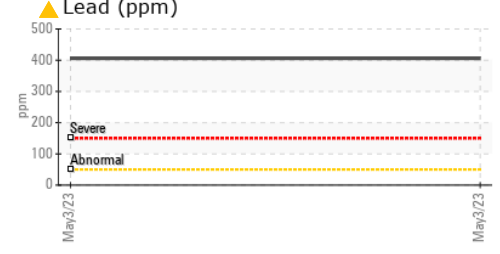
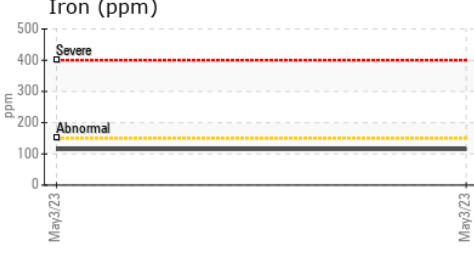
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	---	---
Precipitate	scalar	*Visual	NONE	---	---
Silt	scalar	*Visual	NONE	---	---
Debris	scalar	*Visual	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	---	---
Appearance	scalar	*Visual	NORML	---	---
Odor	scalar	*Visual	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	---	---
Free Water	scalar	*Visual	---	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.5	13.5	---	---

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WCMC150165 **Received** : 08 May 2023  
**Lab Number** : 05841185 **Diagnosed** : 11 May 2023  
**Unique Number** : 10459988 **Diagnostician** : Angela Borella  
**Test Package** : MOBCE ( Additional Tests: TBN )

**AL NARIZZANO**  
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 al.narizzano@yahoo.com

Certificate L2367  
 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)