



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**VACUUM PUMP**  
 Machine Id  
**VACPUMP-059**  
 Component  
**Vacuum Pump**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the oil.

**Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0849069</b>	---	---
Sample Date	Client Info		<b>25 Jan 2024</b>	---	---
Machine Age	hrs Client Info		<b>457</b>	---	---
Oil Age	hrs Client Info		<b>457</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.1	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>20	<b>0</b>	---	---
Chromium	ppm ASTM D5185m	>20	<b>0</b>	---	---
Nickel	ppm ASTM D5185m	>20	<b>7</b>	---	---
Titanium	ppm ASTM D5185m		<b>0</b>	---	---
Silver	ppm ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	>20	<b>1</b>	---	---
Lead	ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Tin	ppm ASTM D5185m	>20	<b>&lt;1</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>0</b>	---	---
Barium	ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m		<b>0</b>	---	---
Manganese	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m		<b>3</b>	---	---
Calcium	ppm ASTM D5185m		<b>13</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>23</b>	---	---
Zinc	ppm ASTM D5185m		<b>8</b>	---	---
Sulfur	ppm ASTM D5185m		<b>86</b>	---	---

## CONTAMINANTS

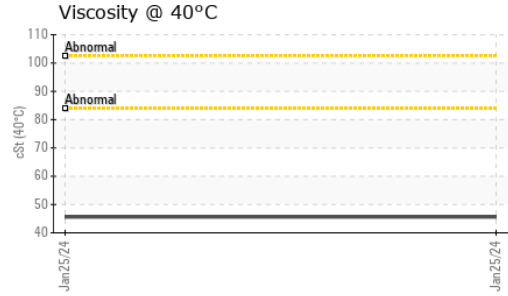
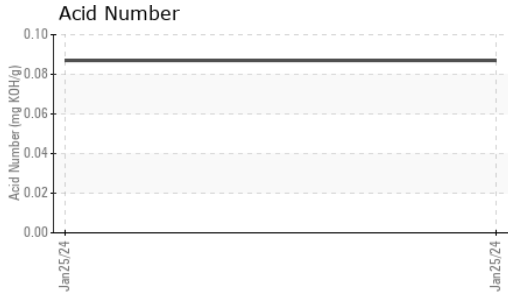
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>15	<b>2</b>	---	---
Sodium	ppm ASTM D5185m		<b>9</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>2</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		<b>0.087</b>	---	---



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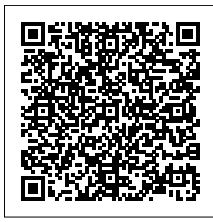
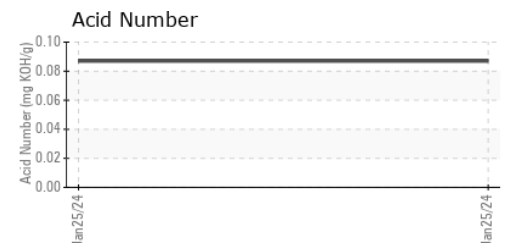
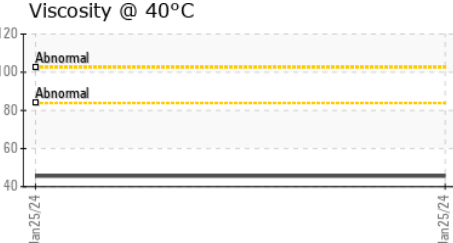
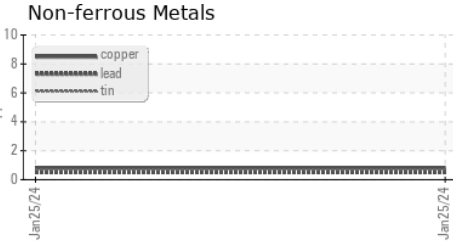
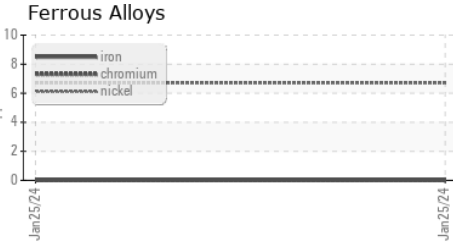
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.6	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0849069 **Received** : 31 Jan 2024  
**Lab Number** : 06075938 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10858029 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

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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)