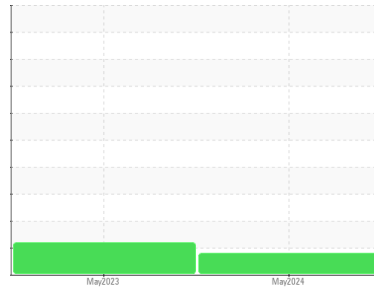


# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Area

**UTILITIES [98934407]**

Machine Id

**ATLAS COPCO VACUUM PUMP 1 (S/N API850276)**

Component

**Vacuum Pump**

Fluid

**ATLAS COPCO ULTRA VAC (--- QTS)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present 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>PCA0117518</b>	PCA0096837	---
Sample Date	Client Info			<b>03 May 2024</b>	16 May 2023	---
Machine Age	hrs	Client Info		<b>0</b>	29985	---
Oil Age	hrs	Client Info		<b>0</b>	3985	---
Oil Changed	Client Info			<b>N/A</b>	Not Changd	---
Sample Status				<b>ATTENTION</b>	ATTENTION	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Chromium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m		<b>2</b>	<1	---
Lead	ppm	ASTM D5185m		<b>0</b>	<1	---
Copper	ppm	ASTM D5185m		<b>2</b>	<1	---
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---

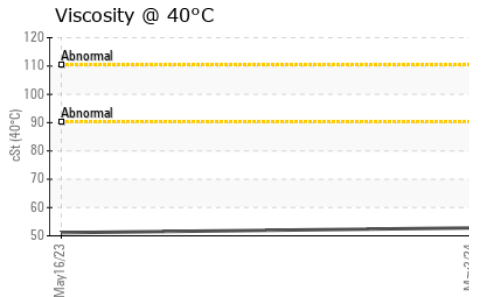
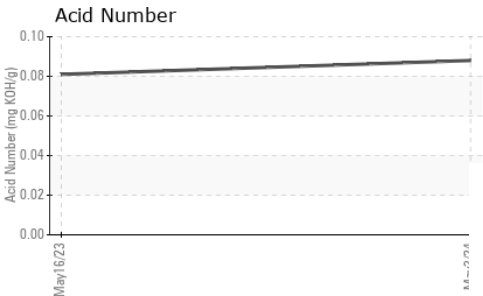
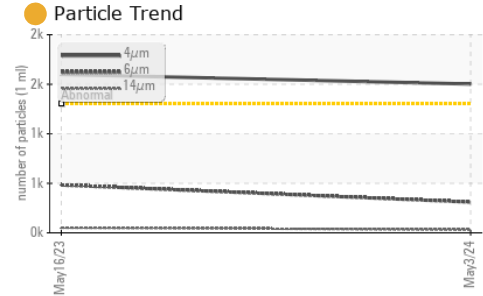
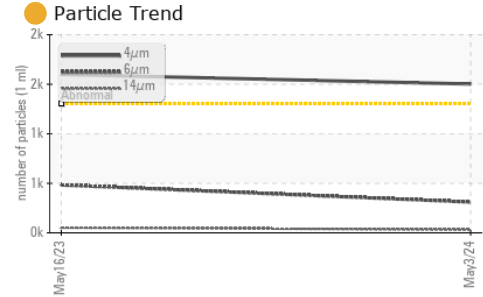
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>630</b>	580	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	2	---
Calcium	ppm	ASTM D5185m		<b>5</b>	<1	---
Phosphorus	ppm	ASTM D5185m		<b>4</b>	11	---
Zinc	ppm	ASTM D5185m		<b>5</b>	0	---
Sulfur	ppm	ASTM D5185m		<b>385</b>	463	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Sodium	ppm	ASTM D5185m		<b>69</b>	41	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	6	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>1300	<b>1502</b>	1599	---	
Particles >6µm	ASTM D7647	>320	<b>310</b>	483	---	
Particles >14µm	ASTM D7647	>80	<b>31</b>	52	---	
Particles >21µm	ASTM D7647	>20	<b>12</b>	12	---	
Particles >38µm	ASTM D7647	>4	<b>0</b>	0	---	
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	---	
Oil Cleanliness	ISO 4406 (c)	>17/15/13	<b>18/15/12</b>	18/16/13	---	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.088</b>	0.081	---

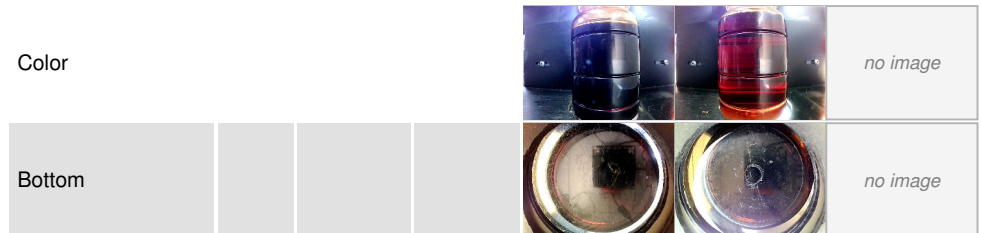
# OIL ANALYSIS REPORT



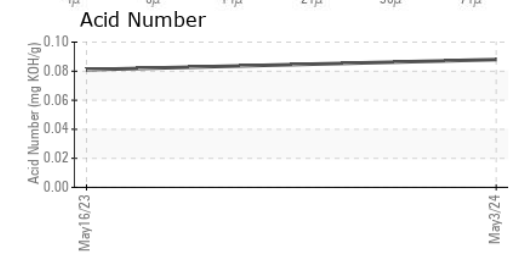
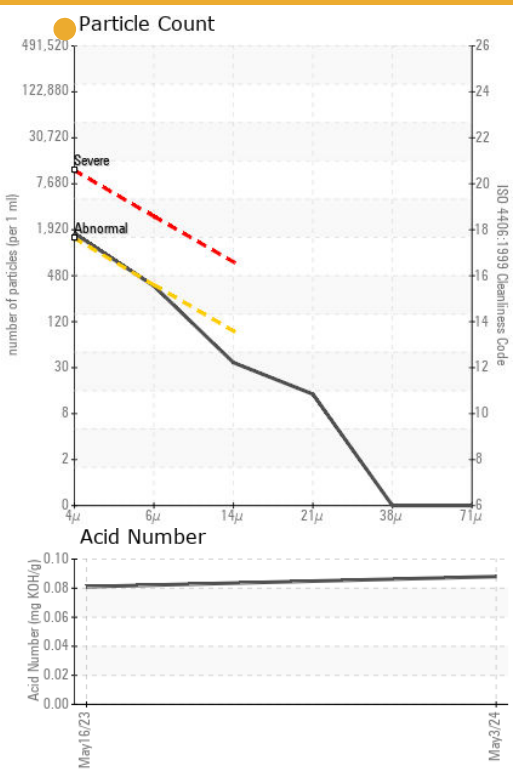
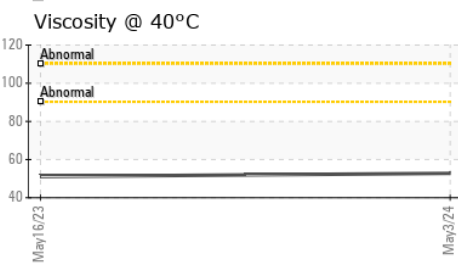
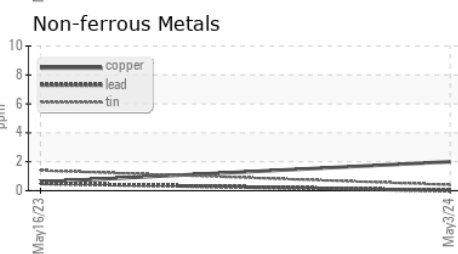
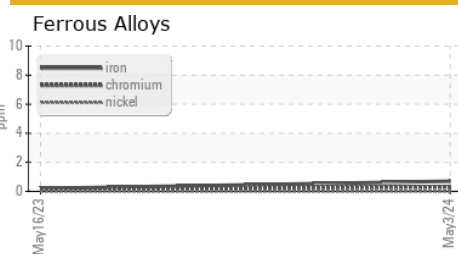
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	52.8	51.1	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117518      **Received** : 10 May 2024  
**Lab Number** : 06175442      **Tested** : 13 May 2024  
**Unique Number** : 11021495      **Diagnosed** : 14 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**KraftHeinz - Springfield - Plant 8311 PCA**  
 2035 E BENNETT  
 SPRINGFIELD, MO  
 US 65804  
 Contact: Service Manager

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)

T:  
F: