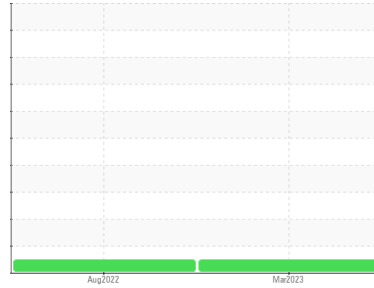




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id

**AC-13**

Component

**Air Compressor**

Fluid

**ATLAS COPCO ROTO Z FLUID (--- 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. The amount and size of particulates present in the system are acceptable.

### 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>USPM26829</b>	USPM23961	---
Sample Date	Client Info	<b>09 Mar 2023</b>	21 Aug 2022	---
Machine Age	hrs Client Info	<b>0</b>	0	---
Oil Age	hrs Client Info	<b>0</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >70	<b>3</b>	2	---
Chromium	ppm ASTM D5185m >15	<b>0</b>	0	---
Nickel	ppm ASTM D5185m >6	<b>&lt;1</b>	<1	---
Titanium	ppm ASTM D5185m	<b>0</b>	0	---
Silver	ppm ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm ASTM D5185m >10	<b>1</b>	<1	---
Lead	ppm ASTM D5185m >20	<b>0</b>	0	---
Copper	ppm ASTM D5185m >80	<b>&lt;1</b>	0	---
Tin	ppm ASTM D5185m >15	<b>0</b>	0	---
Vanadium	ppm ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	---
Barium	ppm ASTM D5185m	<b>0</b>	<1	---
Molybdenum	ppm ASTM D5185m	<b>0</b>	0	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm ASTM D5185m	<b>0</b>	0	---
Calcium	ppm ASTM D5185m	<b>0</b>	0	---
Phosphorus	ppm ASTM D5185m	<b>601</b>	552	---
Zinc	ppm ASTM D5185m	<b>2</b>	4	---
Sulfur	ppm ASTM D5185m	<b>756</b>	688	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >12	<b>&lt;1</b>	<1	---
Sodium	ppm ASTM D5185m	<b>0</b>	<1	---
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	---
Water	% ASTM D6304 >0.1	<b>0.004</b>	0.008	---
ppm Water	ppm ASTM D6304 >1000	<b>44.6</b>	84.0	---

## FLUID CLEANLINESS

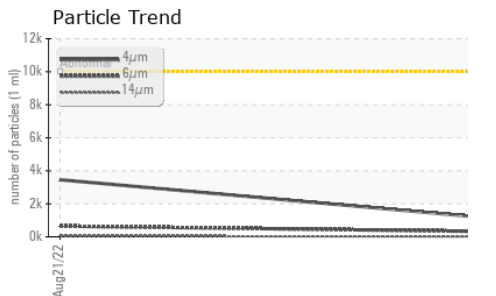
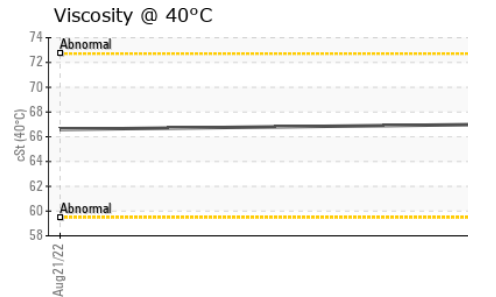
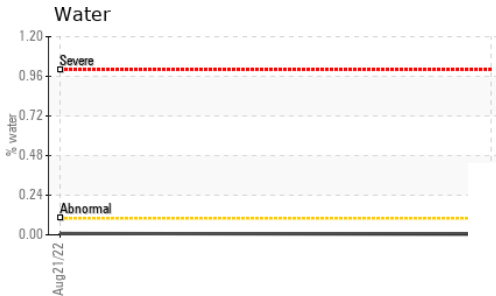
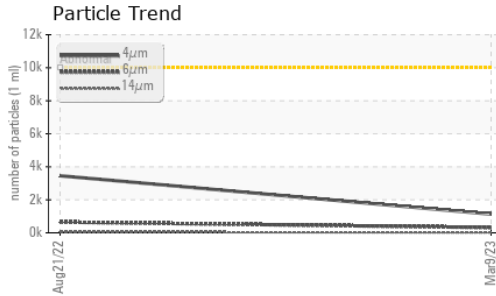
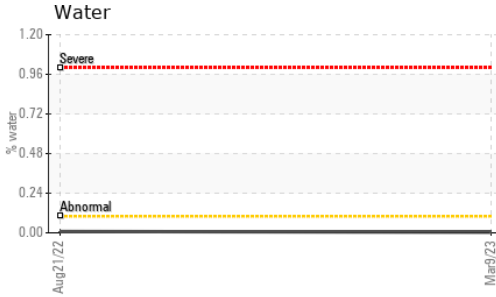
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>1130</b>	3457	---
Particles >6µm	ASTM D7647 >2500	<b>319</b>	651	---
Particles >14µm	ASTM D7647 >320	<b>23</b>	43	---
Particles >21µm	ASTM D7647 >80	<b>5</b>	10	---
Particles >38µm	ASTM D7647 >20	<b>1</b>	0	---
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>17/15/12</b>	19/17/13	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.28</b>	0.30	---



# OIL ANALYSIS REPORT



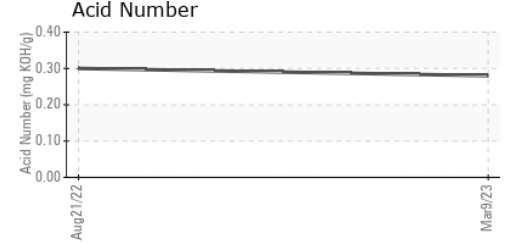
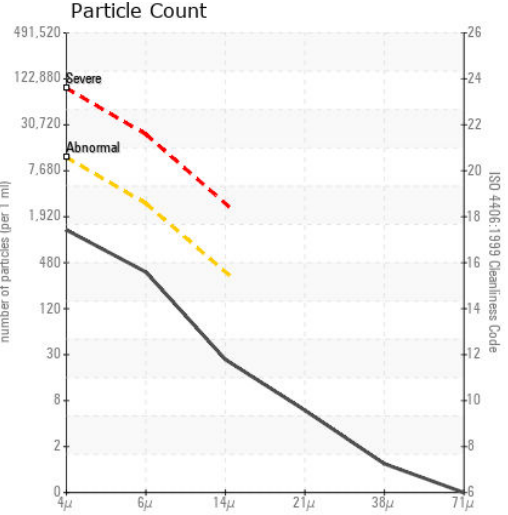
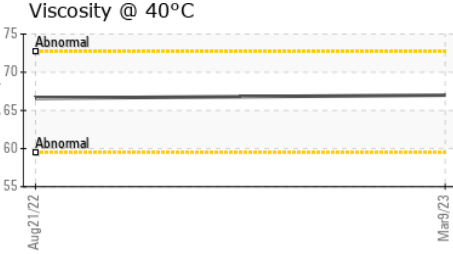
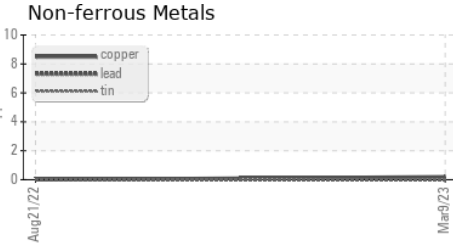
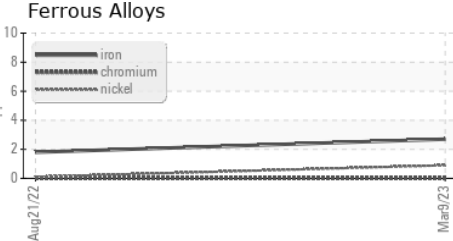
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.0	66.6	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USPM26829 **Received** : 10 Mar 2023  
**Lab Number** : 05788559 **Diagnosed** : 13 Mar 2023  
**Unique Number** : 10373230 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**KraftHeinz - Winchester - Plant 8342**  
 220 Park Center Drive  
 Winchester, VA  
 US 22603  
 Contact: Wayne Griffith  
 gewdg00@kraftheinz.com  
 T:  
 F:

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)