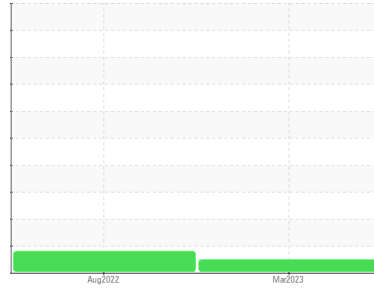




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
AC-4 (S/N AIF059488)
 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		USPM26832	USPM23964	---
Sample Date	Client Info		09 Mar 2023	21 Aug 2022	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	ABNORMAL	---

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<1	0	---
Barium	ppm	ASTM D5185m	0	<1	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m	0	<1	---
Calcium	ppm	ASTM D5185m	167	150	---
Phosphorus	ppm	ASTM D5185m	508	470	---
Zinc	ppm	ASTM D5185m	11	11	---
Sulfur	ppm	ASTM D5185m	2041	2041	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >12	2	2	---
Sodium	ppm	ASTM D5185m	5	4	---
Potassium	ppm	ASTM D5185m >20	4	0	---
Water	%	ASTM D6304 >0.1	0.010	0.004	---
ppm Water	ppm	ASTM D6304 >1000	103.7	47.5	---

FLUID CLEANLINESS

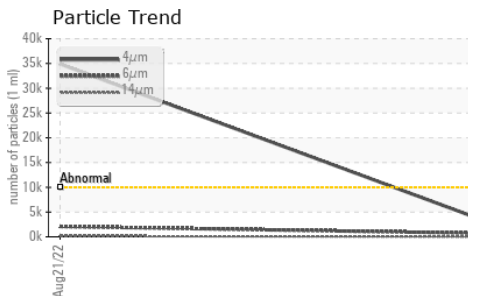
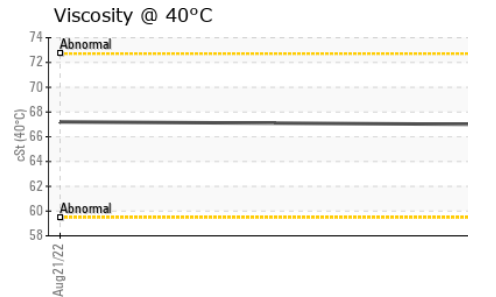
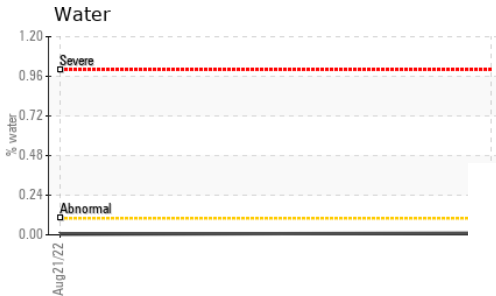
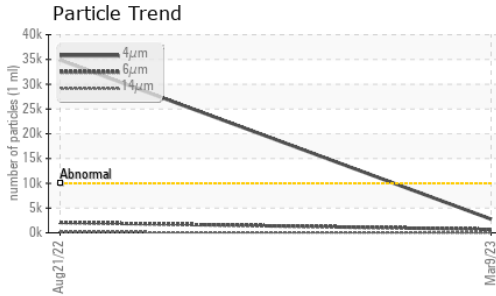
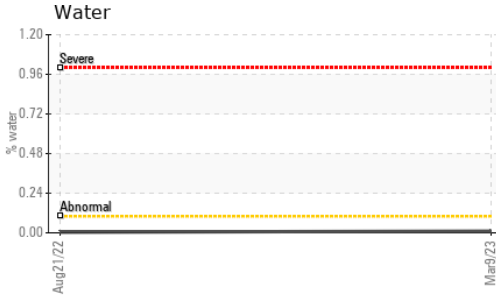
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	2755	▲ 34896	---
Particles >6µm	ASTM D7647	>2500	674	2084	---
Particles >14µm	ASTM D7647	>320	42	137	---
Particles >21µm	ASTM D7647	>80	8	31	---
Particles >38µm	ASTM D7647	>20	0	0	---
Particles >71µm	ASTM D7647	>4	0	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	19/17/13	▲ 22/18/14	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.38	0.39	---



OIL ANALYSIS REPORT



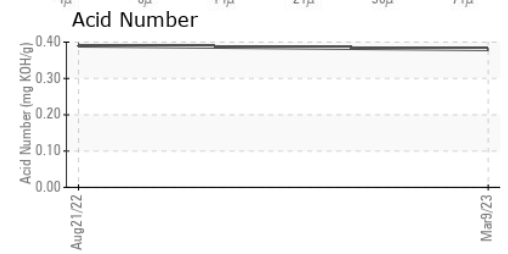
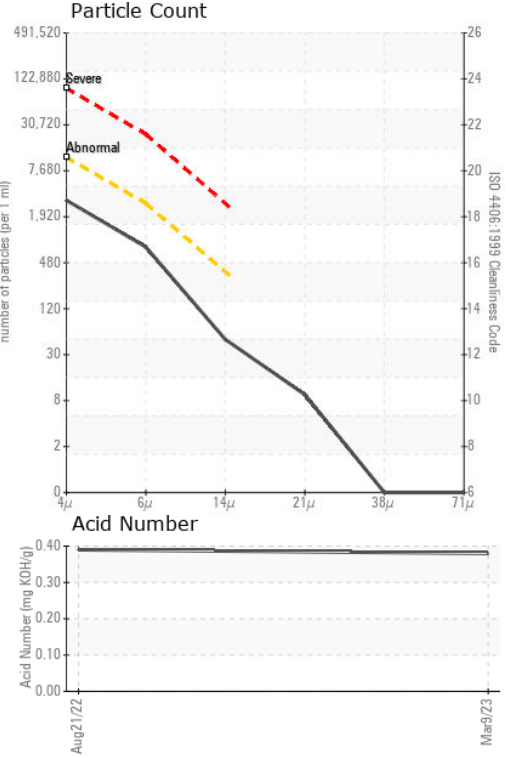
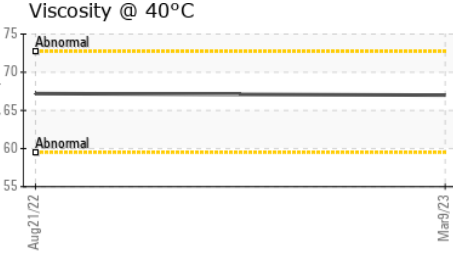
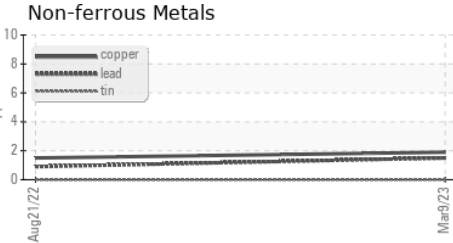
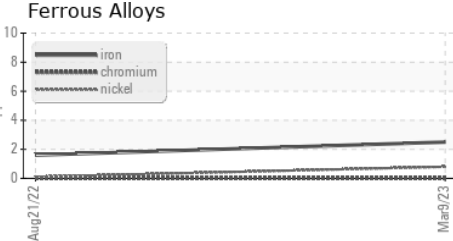
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.0	67.2	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM26832 **Received** : 10 Mar 2023
Lab Number : 05788561 **Diagnosed** : 13 Mar 2023
Unique Number : 10373232 **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)