



PROBLEM SUMMARY

Sample Rating Trend



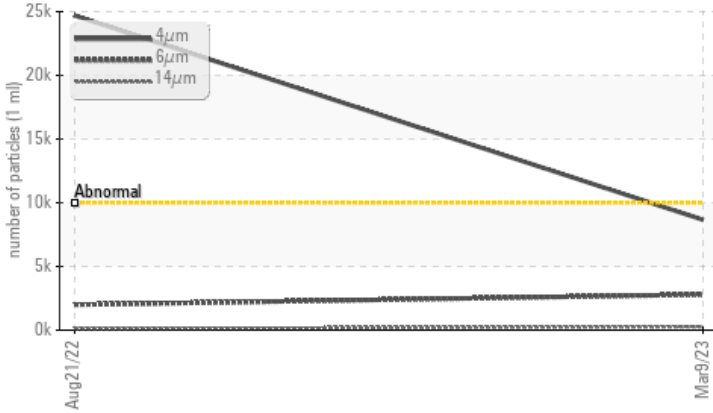
ISO



Machine Id
AC-2 (S/N AIF069460)
 Component
Air Compressor
 Fluid
ATLAS COPCO ROTO Z FLUID (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status		ATTENTION	ABNORMAL	---
Particles >6µm	ASTM D7647 >2500	▲ 2792	1996	---
Oil Cleanliness	ISO 4406 (c) >20/18/15	▲ 20/19/15	▲ 22/18/14	---

Customer Id: KRAWIN
 Sample No.: USPM26830
 Lab Number: 05788556
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

21 Aug 2022 Diag: Doug Bogart

ISO



Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

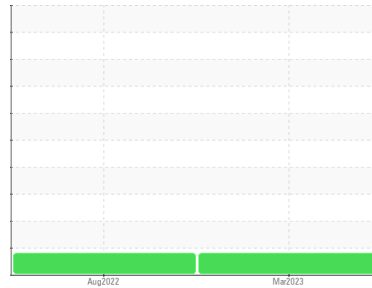
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OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
AC-2 (S/N AIF069460)
 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 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	USPM26830	USPM23962	---
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		ATTENTION	ABNORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >70	<1	<1
Chromium	ppm	ASTM D5185m >15	0	0
Nickel	ppm	ASTM D5185m >6	<1	0
Titanium	ppm	ASTM D5185m	0	0
Silver	ppm	ASTM D5185m	0	0
Aluminum	ppm	ASTM D5185m >10	2	<1
Lead	ppm	ASTM D5185m >20	0	0
Copper	ppm	ASTM D5185m >80	<1	<1
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	0	0
Barium	ppm	ASTM D5185m	0	<1
Molybdenum	ppm	ASTM D5185m	0	0
Manganese	ppm	ASTM D5185m	<1	0
Magnesium	ppm	ASTM D5185m	0	0
Calcium	ppm	ASTM D5185m	<1	<1
Phosphorus	ppm	ASTM D5185m	708	578
Zinc	ppm	ASTM D5185m	4	5
Sulfur	ppm	ASTM D5185m	825	766

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >12	<1	<1
Sodium	ppm	ASTM D5185m	0	<1
Potassium	ppm	ASTM D5185m >20	<1	0
Water	%	ASTM D6304 >0.1	0.010	0.004
ppm Water	ppm	ASTM D6304 >1000	103.2	43.3

FLUID CLEANLINESS

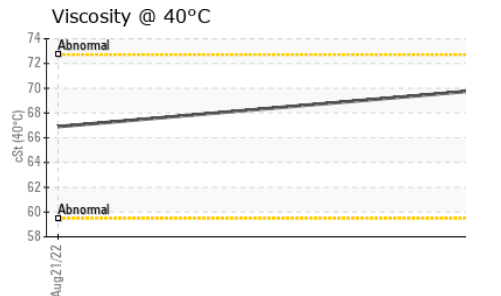
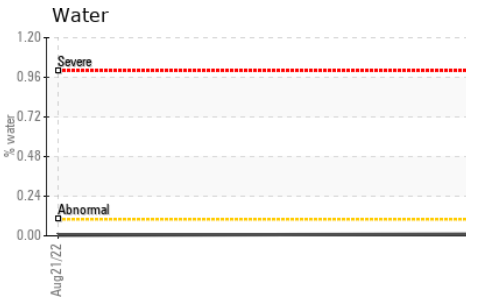
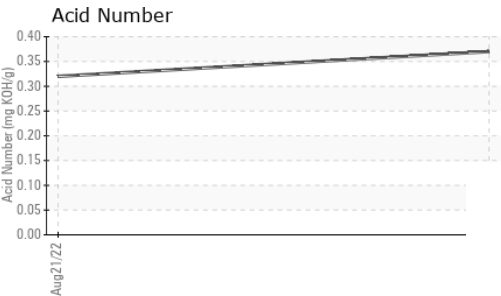
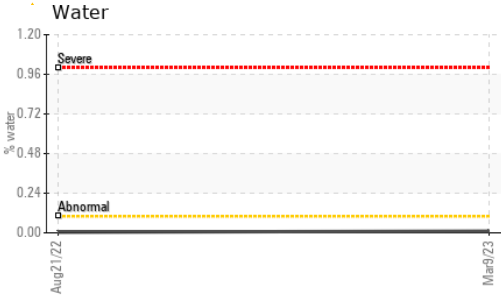
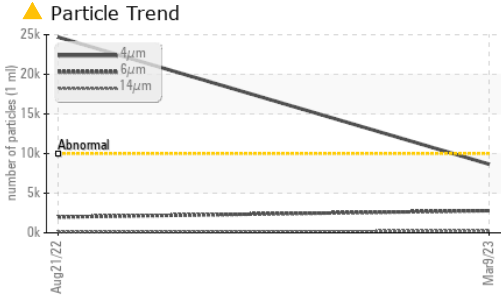
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	8662	▲ 24696	---
Particles >6µm	ASTM D7647 >2500	▲ 2792	1996	---
Particles >14µm	ASTM D7647 >320	253	129	---
Particles >21µm	ASTM D7647 >80	55	34	---
Particles >38µm	ASTM D7647 >20	5	4	---
Particles >71µm	ASTM D7647 >4	0	1	---
Oil Cleanliness	ISO 4406 (c) >20/18/15	▲ 20/19/15	▲ 22/18/14	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.37	0.32



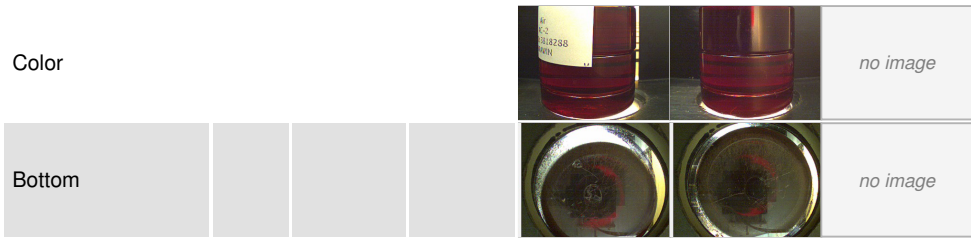
OIL ANALYSIS REPORT



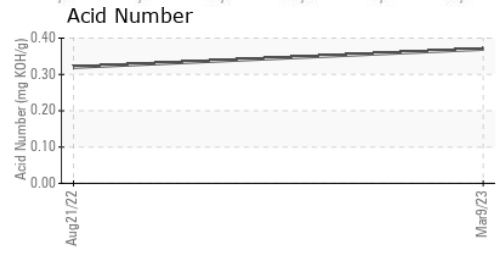
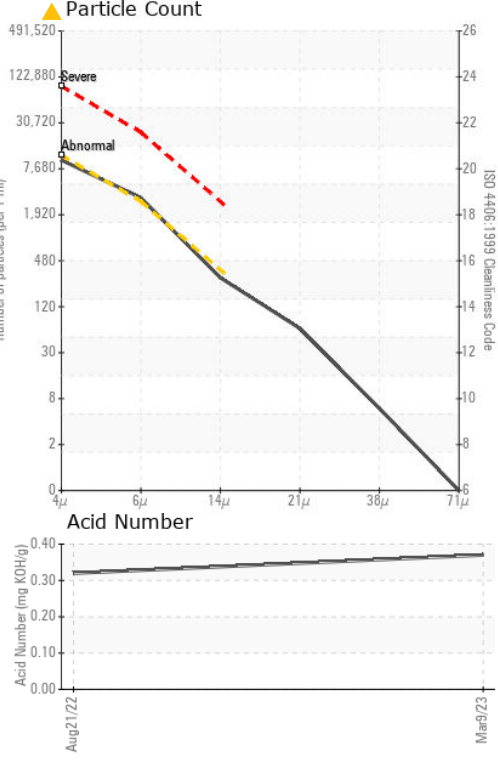
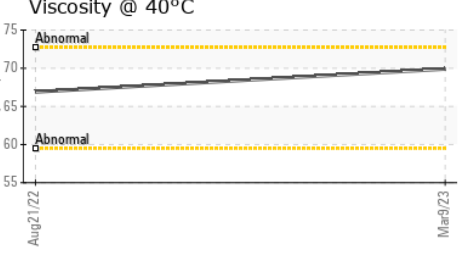
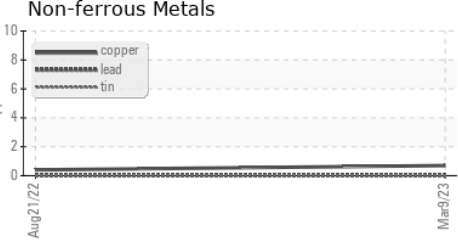
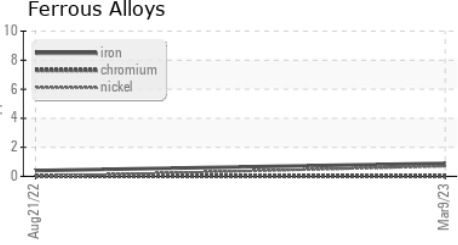
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	VLITE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	69.9	66.9	---

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM26830 **Received** : 10 Mar 2023
Lab Number : 05788556 **Diagnosed** : 13 Mar 2023
Unique Number : 10373227 **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

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)