



PROBLEM SUMMARY

Sample Rating Trend

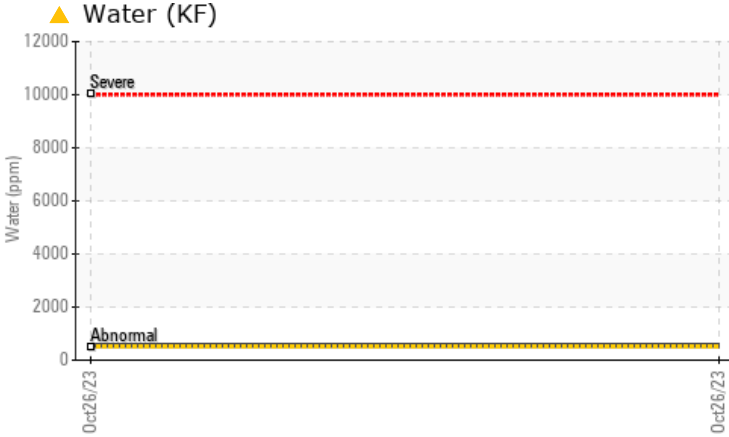


WATER



Machine Id
8048095 (S/N 1101)
 Component
Compressor
 Fluid
G-680 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				MARGINAL	---	---
Water	%	ASTM D6304	>0.05	▲ 0.054	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 542.8	---	---

Customer Id: MILVER
 Sample No.: KCPA007216
 Lab Number: 06001054
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
8048095 (S/N 1101)

Component
Compressor
Fluid
G-680 (--- GAL)

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 trace of moisture present 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	KCPA007216	---	---
Sample Date	Client Info	26 Oct 2023	---	---
Machine Age	hrs	Client Info	5330	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		MARGINAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	---
Chromium	ppm	ASTM D5185m >10	0	---
Nickel	ppm	ASTM D5185m >3	0	---
Titanium	ppm	ASTM D5185m >3	0	---
Silver	ppm	ASTM D5185m >2	0	---
Aluminum	ppm	ASTM D5185m >10	0	---
Lead	ppm	ASTM D5185m >10	2	---
Copper	ppm	ASTM D5185m >50	<1	---
Tin	ppm	ASTM D5185m >10	0	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---
Barium	ppm	ASTM D5185m	15	---
Molybdenum	ppm	ASTM D5185m	0	---
Manganese	ppm	ASTM D5185m	0	---
Magnesium	ppm	ASTM D5185m	<1	---
Calcium	ppm	ASTM D5185m	0	---
Phosphorus	ppm	ASTM D5185m	1424	---
Zinc	ppm	ASTM D5185m	2	---
Sulfur	ppm	ASTM D5185m	176	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	---
Sodium	ppm	ASTM D5185m	1	---
Potassium	ppm	ASTM D5185m >20	<1	---
Water	%	ASTM D6304 >0.05	▲ 0.054	---
ppm Water	ppm	ASTM D6304 >500	▲ 542.8	---

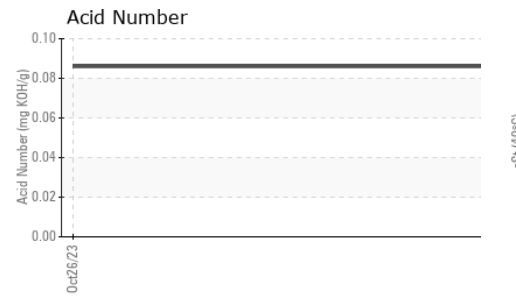
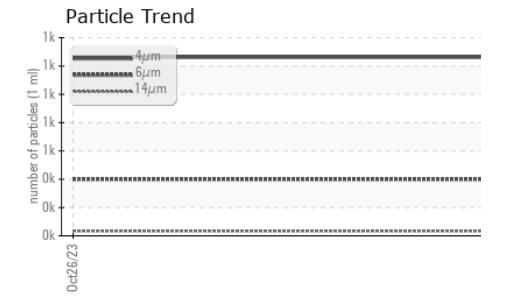
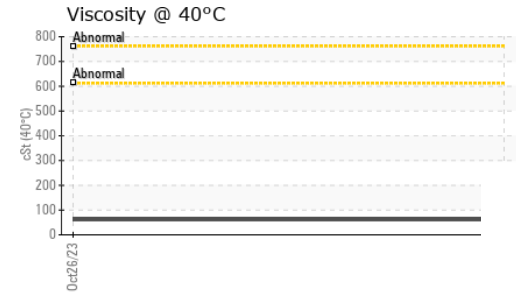
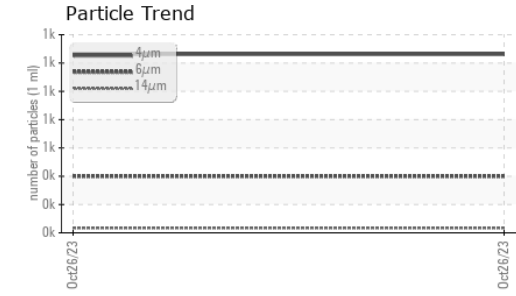
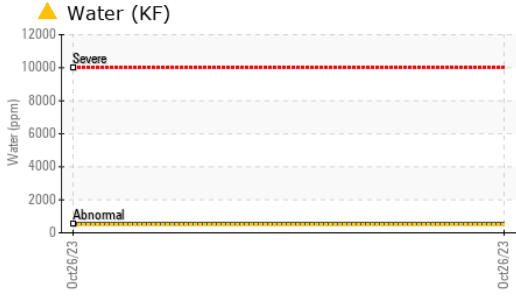
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	1262	---	---
Particles >6µm	ASTM D7647 >1300	400	---	---
Particles >14µm	ASTM D7647 >80	34	---	---
Particles >21µm	ASTM D7647 >20	7	---	---
Particles >38µm	ASTM D7647 >4	0	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	17/16/12	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.086	---

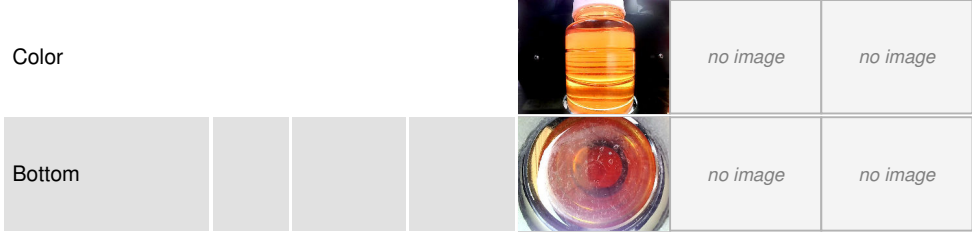
OIL ANALYSIS REPORT



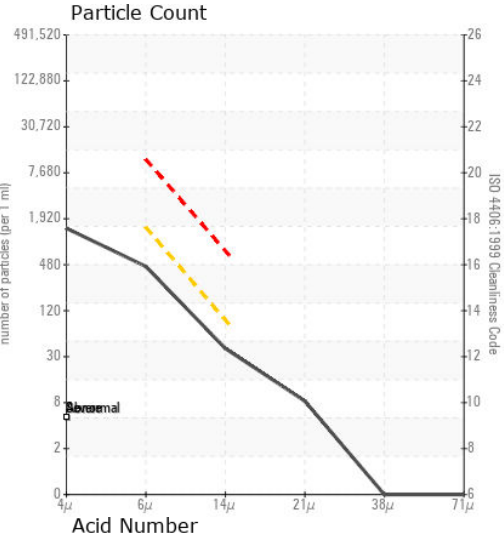
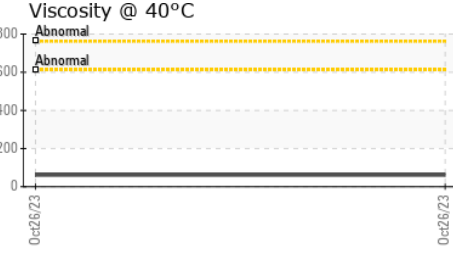
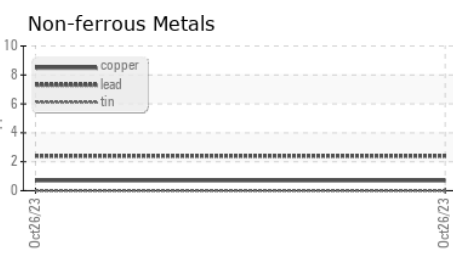
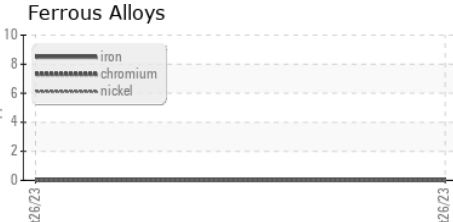
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	61.4	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA007216 **Received** : 07 Nov 2023
Lab Number : 06001054 **Diagnosed** : 09 Nov 2023
Unique Number : 10729414 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

MILLIPORE SIGMA
 1101 KETTLE MORAIN TRL
 VERONA, WI
 US 53593
 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: