

PROBLEM SUMMARY

Sample Rating Trend

ISO

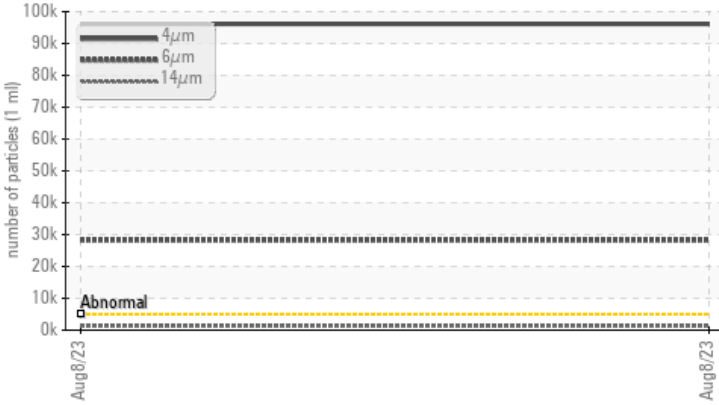


Machine Id
AW 32 - MANOWSKE - PCA0087801
 Component
New (Unused) Oil
 Fluid
{not provided} (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>5000	▲ 96134	---	---
Particles >6µm	ASTM D7647	>1300	▲ 28255	---	---
Particles >14µm	ASTM D7647	>160	▲ 1269	---	---
Particles >21µm	ASTM D7647	>40	▲ 219	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 24/22/17	---	---

Customer Id: COLFON
 Sample No.: PCA0087801
 Lab Number: 05919971
 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

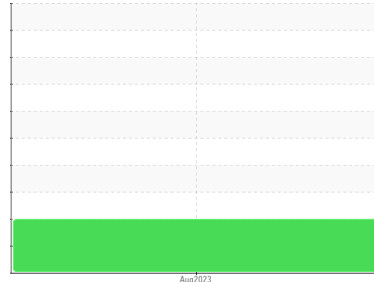
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
AW 32 - MANOWSKE - PCA0087801
 Component
New (Unused) Oil
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample.

▲ Contamination

There is a high amount of particulates present in the oil.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0087801	---	---
Sample Date	Client Info	08 Aug 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	8	---	---
Chromium	ppm ASTM D5185m	3	---	---
Nickel	ppm ASTM D5185m	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m	<1	---	---
Lead	ppm ASTM D5185m	0	---	---
Copper	ppm ASTM D5185m	3	---	---
Tin	ppm ASTM D5185m	0	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	0	---	---
Manganese	ppm ASTM D5185m	0	---	---
Magnesium	ppm ASTM D5185m	1	---	---
Calcium	ppm ASTM D5185m	73	---	---
Phosphorus	ppm ASTM D5185m	467	---	---
Zinc	ppm ASTM D5185m	490	---	---
Sulfur	ppm ASTM D5185m	1599	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	1	---	---
Sodium	ppm ASTM D5185m	1	---	---
Potassium	ppm ASTM D5185m >20	0	---	---

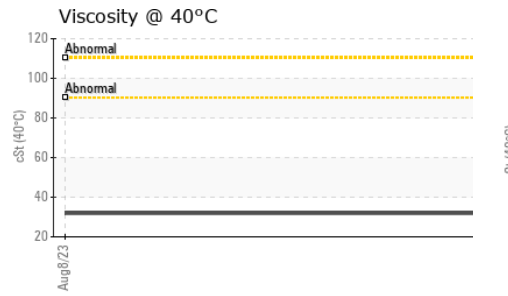
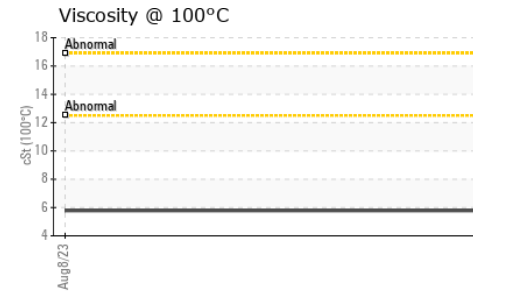
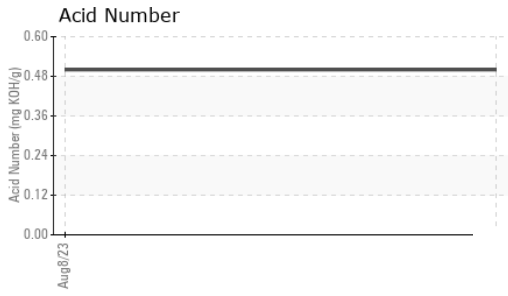
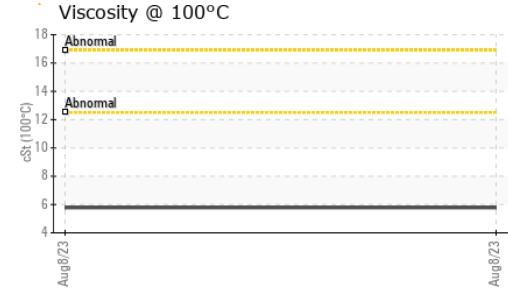
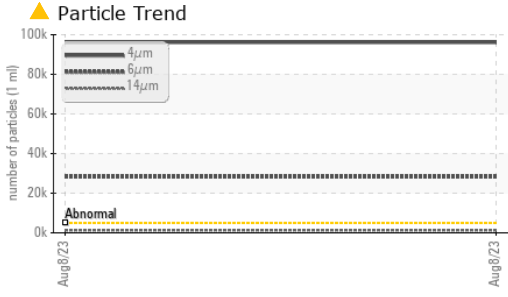
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 96134	---	---
Particles >6µm	ASTM D7647 >1300	▲ 28255	---	---
Particles >14µm	ASTM D7647 >160	▲ 1269	---	---
Particles >21µm	ASTM D7647 >40	▲ 219	---	---
Particles >38µm	ASTM D7647 >10	2	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 24/22/17	---	---

FLUID DEGRADATION

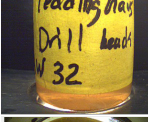

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.50	---	---

OIL ANALYSIS REPORT

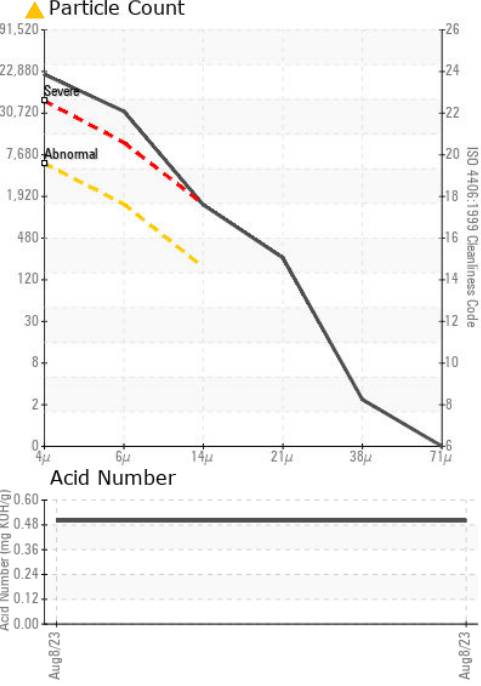
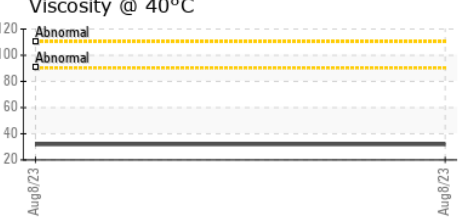
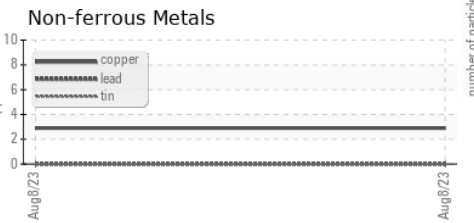
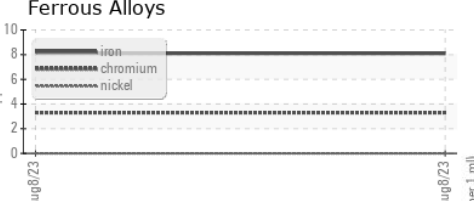


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	31.88	---	---
Visc @ 100°C	cSt	ASTM D445	5.78	---	---
Viscosity Index (VI)	Scale	ASTM D2270	124	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0087801 **Received** : 10 Aug 2023
Lab Number : 05919971 **Diagnosed** : 10 Aug 2023
Unique Number : 10591885 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI)

COLE OIL AND PROPANE
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 US 54935
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 joe@coleoil.net

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)