

PROBLEM SUMMARY

Sample Rating Trend



WEAR



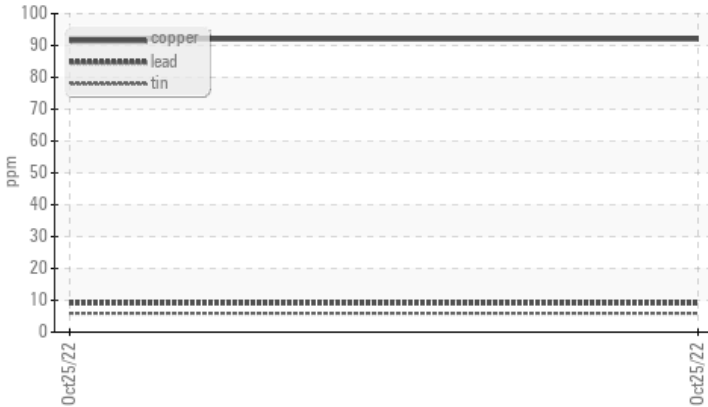
Machine Id
GOULDS P302B

Component
Centrifugal Compressor

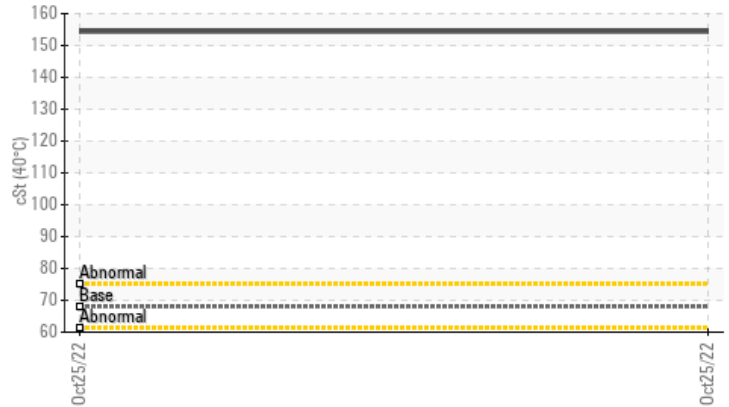
Fluid
HIGH PERFORMANCE LUBRICANTS TURBINE LIFE 68 (1 GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Viscosity @ 40°C



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Copper	ppm	ASTM D5185m	>50	▲ 92	---	---
Visc @ 40°C	cSt	ASTM D445	68	▲ 154.4	---	---

Customer Id: RAVBAY
Sample No.: RP0026976
Lab Number: 05681775
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

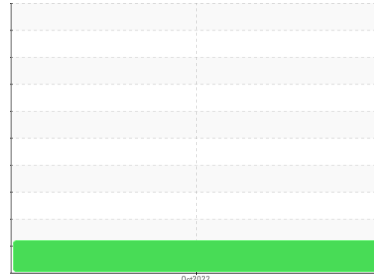
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
GOULDS P302B

Component
Centrifugal Compressor

Fluid
HIGH PERFORMANCE LUBRICANTS TURBINE LIFE 68 (1 GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

▲ Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

Viscosity of sample indicates oil is within ISO 150 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	RP0026976	---	---
Sample Date	Client Info	25 Oct 2022	---	---
Machine Age	yrs Client Info	2	---	---
Oil Age	yrs Client Info	1	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	11	---	---
Chromium ppm ASTM D5185m	>10	0	---	---
Nickel ppm ASTM D5185m		0	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		<1	---	---
Aluminum ppm ASTM D5185m	>25	2	---	---
Lead ppm ASTM D5185m	>25	9	---	---
Copper ppm ASTM D5185m	>50	▲ 92	---	---
Tin ppm ASTM D5185m	>15	6	---	---
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		0	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m		2	---	---
Calcium ppm ASTM D5185m		198	---	---
Phosphorus ppm ASTM D5185m		86	---	---
Zinc ppm ASTM D5185m		4	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	4	---	---
Sodium ppm ASTM D5185m		<1	---	---
Potassium ppm ASTM D5185m	>20	1	---	---
Water % ASTM D6304	>0.1	0.004	---	---
ppm Water ppm ASTM D6304	>1000	48.6	---	---

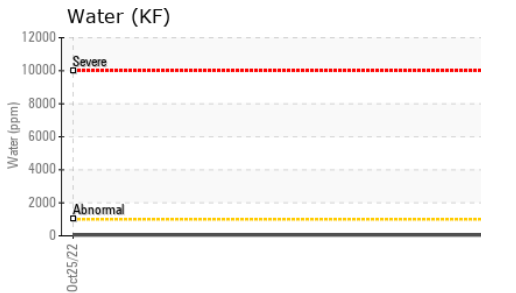
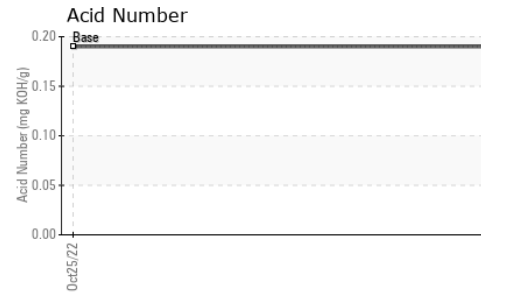
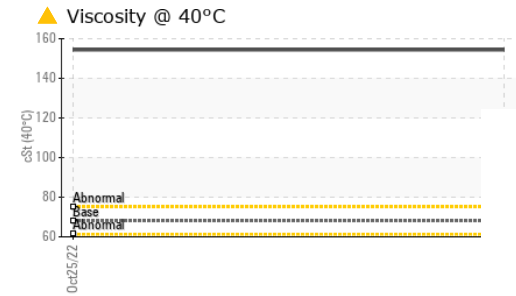
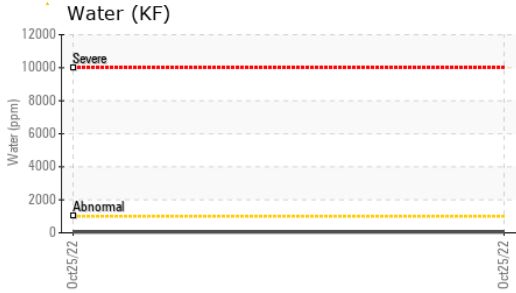
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.19	0.19	---	---

VISUAL

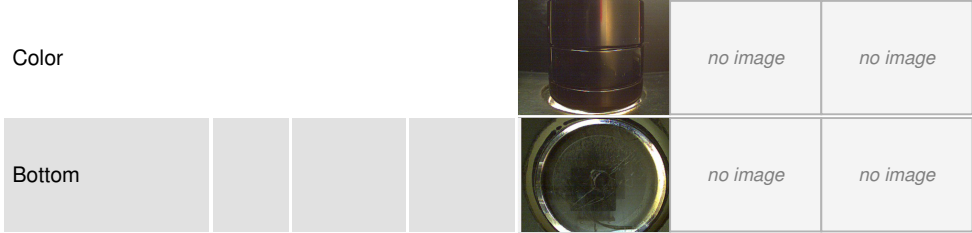
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	LIGHT	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---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

OIL ANALYSIS REPORT

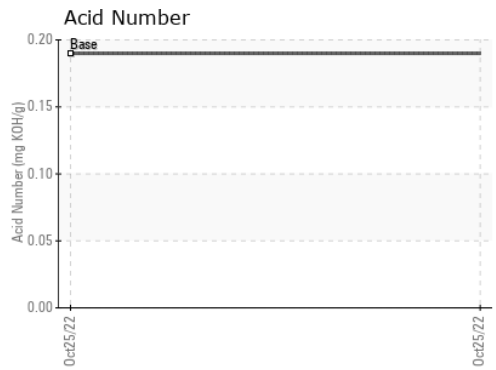
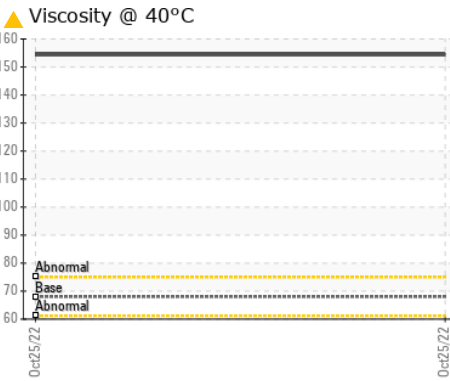
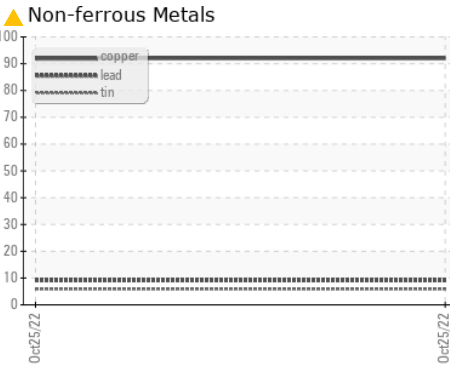
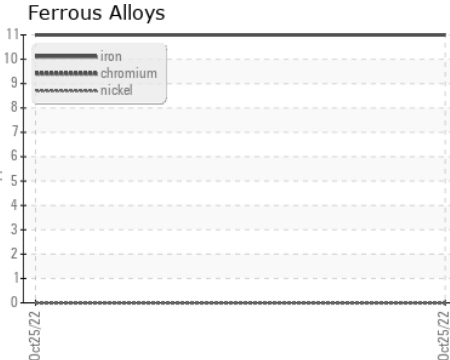


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	▲ 154.4	---	---

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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0026976 **Received** : 01 Nov 2022
Lab Number : 05681775 **Diagnosed** : 06 Nov 2022
Unique Number : 10201347 **Diagnostician** : Doug Bogart
Test Package : IND 2

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 BAYTOWN, TX
 US 77522
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 randall.cook@revenchem.com
 T: (832)969-6691
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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)