



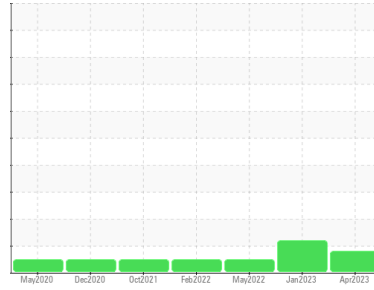
PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

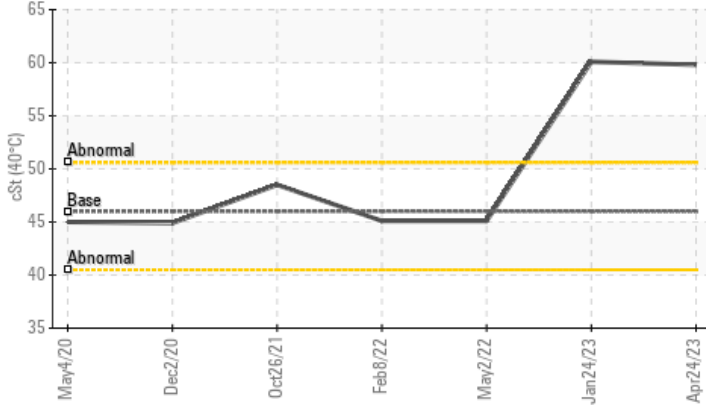


Machine Id
P-13879
Component
Compressor
Fluid
INGERSOLL-RAND TURBOBLEND 46 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	NORMAL
Sulfur	ppm	ASTM D5185m		▲ 348	▲ 504	55
Visc @ 40°C	cSt	ASTM D445	46	▲ 59.8	▲ 60.09	45.1

Customer Id: SUEMINMN
Sample No.: WC0782431
Lab Number: 05834010
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Angela Borella +1 800-237-1369
angela.borella@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

24 Jan 2023 Diag: Jonathan Hester

VISCOSITY



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

view report



02 May 2022 Diag: Angela Borella

NORMAL



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



08 Feb 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

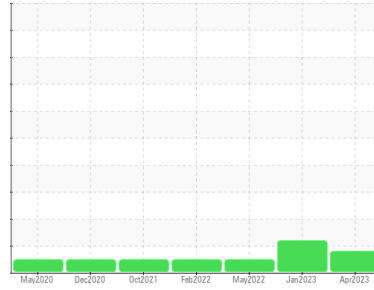
view report





OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
P-13879

Component
Compressor

Fluid
INGERSOLL-RAND TURBOBLEND 46 (--- 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 no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0782431	WC0761990	WC0670926
Sample Date	Client Info		24 Apr 2023	24 Jan 2023	02 May 2022
Machine Age	hrs	Client Info	116335	114264	120835
Oil Age	hrs	Client Info	0	2010	8653
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			ATTENTION	ATTENTION	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0
Chromium	ppm	ASTM D5185m	>10	0	0
Nickel	ppm	ASTM D5185m		0	0
Titanium	ppm	ASTM D5185m		0	0
Silver	ppm	ASTM D5185m		0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	0
Lead	ppm	ASTM D5185m	>25	0	0
Copper	ppm	ASTM D5185m	>50	0	0
Tin	ppm	ASTM D5185m	>15	0	<1
Antimony	ppm	ASTM D5185m		---	---
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	0
Molybdenum	ppm	ASTM D5185m		0	<1
Manganese	ppm	ASTM D5185m		<1	0
Magnesium	ppm	ASTM D5185m		0	<1
Calcium	ppm	ASTM D5185m		<1	▲ 18
Phosphorus	ppm	ASTM D5185m		24	52
Zinc	ppm	ASTM D5185m		0	6
Sulfur	ppm	ASTM D5185m		▲ 348	▲ 504

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1
Sodium	ppm	ASTM D5185m		2	1
Potassium	ppm	ASTM D5185m	>20	0	0

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.14	0.11

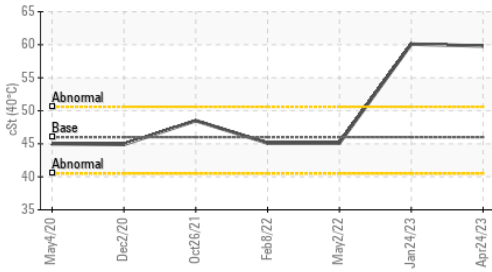
VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	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

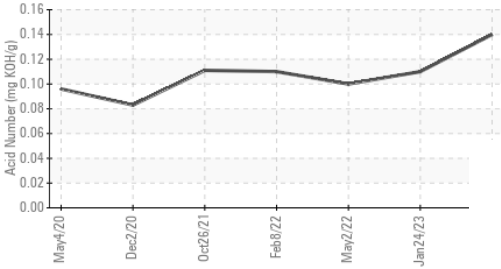


OIL ANALYSIS REPORT

▲ Viscosity @ 40°C



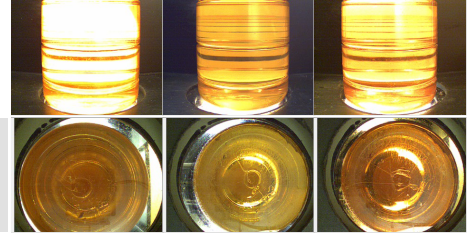
Acid Number



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	▲ 59.8	▲ 60.09	45.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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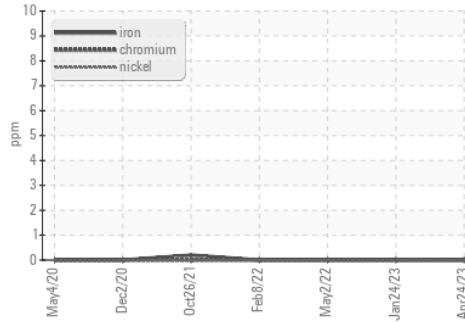
Color



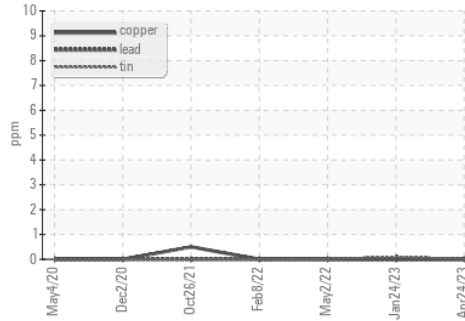
Bottom

GRAPHS

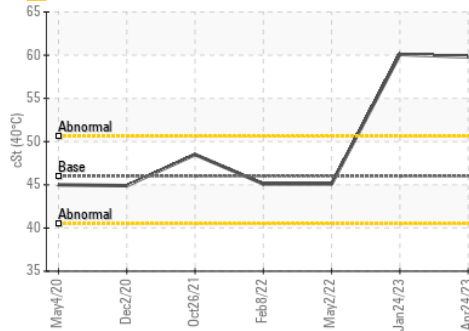
Ferrous Alloys



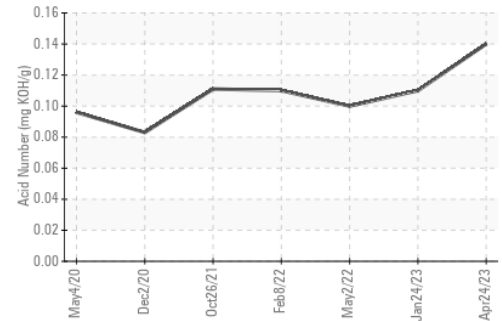
Non-ferrous Metals



▲ Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0782431 **Received** : 01 May 2023
Lab Number : 05834010 **Diagnosed** : 02 May 2023
Unique Number : 10452813 **Diagnostician** : Angela Borella
Test Package : IND 2

SUEZ WTS
 5951 CLEARWATER DR
 MINNETONKA, MN
 US 55343
 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: