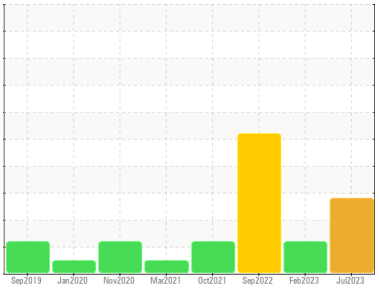
PROBLEM SUMMARY

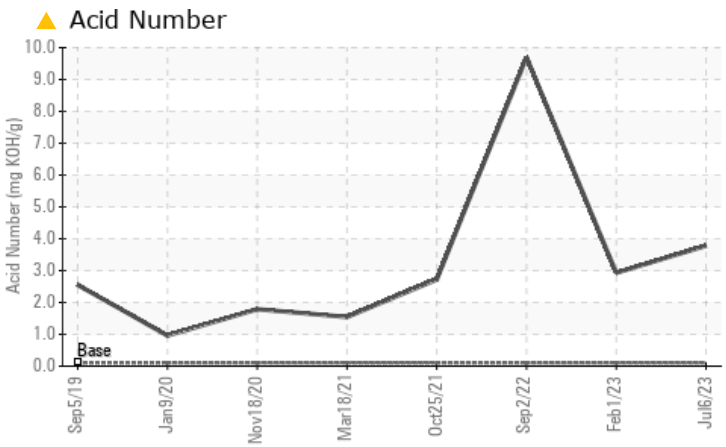
Sample Rating Trend

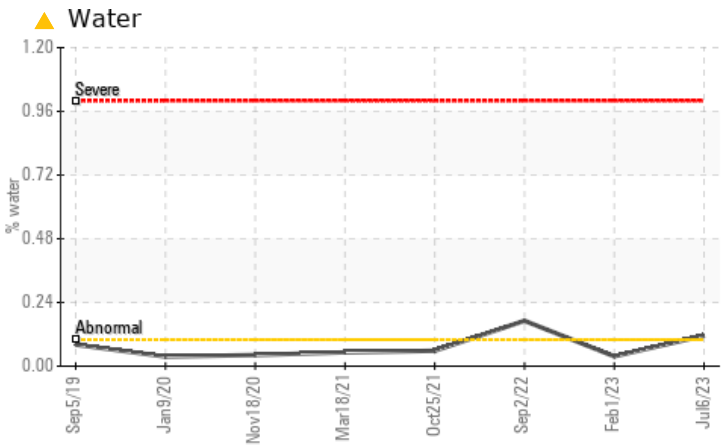


WATER

Machine Id
MATTEI A7DLTZ-2017
Component
Compressor
Fluid
ROTOROIL 8000 (4 GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

The oil is near the end of it`s useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	SEVERE
Water	%	ASTM D6304	>0.1	▲ **0.115**	0.037	▲ 0.171
ppm Water	ppm	ASTM D6304	>1000	▲ **1152.6**	373.8	▲ 1716.6
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	▲ **3.78**	▲ 2.93	● 9.696

Customer Id: STAELKNC
Sample No.: AN38957
Lab Number: 05902378
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

Action	Status	Date	Done By	Description
Service/change Fluid	---	---	?	The oil is near the end of it's useful service life, recommend schedule an oil change.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

01 Feb 2023 Diag: Jonathan Hester

DEGRADATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit.

view report

02 Sep 2022 Diag: Jonathan Hester

DEGRADATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is above the recommended limit. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

view report

25 Oct 2021 Diag: Jonathan Hester

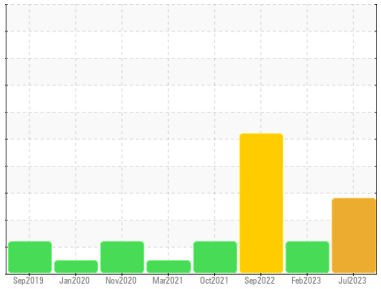
DEGRADATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
MATTEI A7DLTZ-2017
Component
Compressor
Fluid
ROTOROIL 8000 (4 GAL)

DIAGNOSIS

Recommendation
The oil is near the end of it`s useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

Wear
All component wear rates are normal.

Contamination
There is a light concentration of water present in the oil.

Fluid Condition
The AN level is at the top-end of the recommended limit.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		**AN38957**	AN38564	AN38645
Sample Date	Client Info		**06 Jul 2023**	01 Feb 2023	02 Sep 2022
Machine Age hrs	Client Info		**17316**	14861	12824
Oil Age hrs	Client Info		**2455**	4607	2570
Oil Changed	Client Info		**Not Changd**	Changed	Not Changd
Sample Status			**ABNORMAL**	ABNORMAL	SEVERE

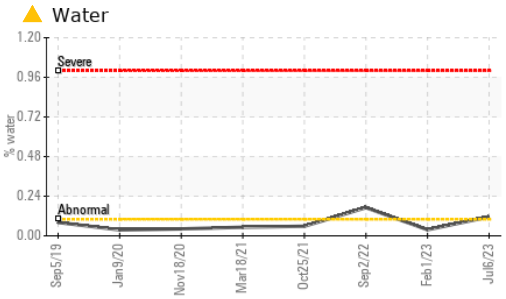
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**18**	7	14
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**4**	1	5
Lead	ppm	ASTM D5185m	>25	**<1**	0	<1
Copper	ppm	ASTM D5185m	>50	**4**	3	5
Tin	ppm	ASTM D5185m	>15	**<1**	0	<1
Antimony	ppm	ASTM D5185m		**---**	---	---
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	<1

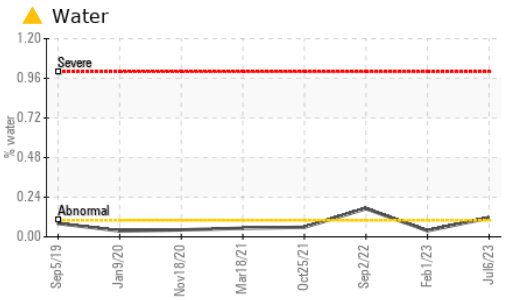
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	<1
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**<1**	<1	1
Magnesium	ppm	ASTM D5185m		**2**	6	7
Calcium	ppm	ASTM D5185m		**11**	13	6
Phosphorus	ppm	ASTM D5185m	884	**895**	844	678
Zinc	ppm	ASTM D5185m		**44**	22	128
Sulfur	ppm	ASTM D5185m		**38**	0	51

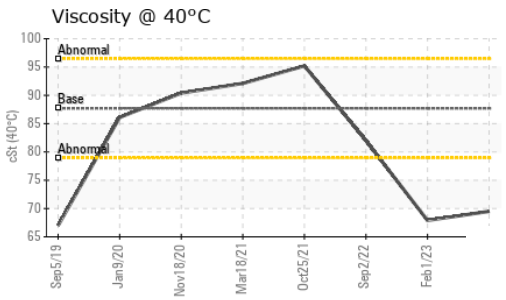
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**1**	2	2
Sodium	ppm	ASTM D5185m		**18**	16	18
Potassium	ppm	ASTM D5185m	>20	**2**	<1	<1
Water	%	ASTM D6304	>0.1	▲ **0.115**	0.037	▲ 0.171
ppm Water	ppm	ASTM D6304	>1000	▲ **1152.6**	373.8	▲ 1716.6

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	▲ **3.78**	▲ 2.93	⬢ 9.696

OIL ANALYSIS REPORT





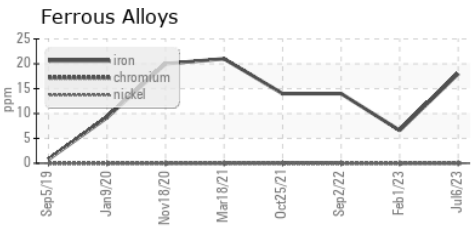


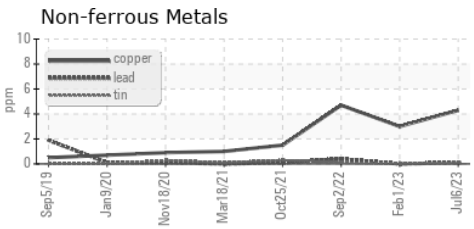
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	▲ MODER
Sand/Dirt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

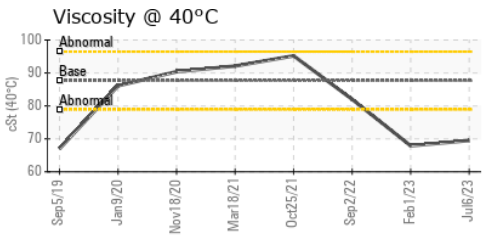
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	87.69	**69.5**	67.9	82.0

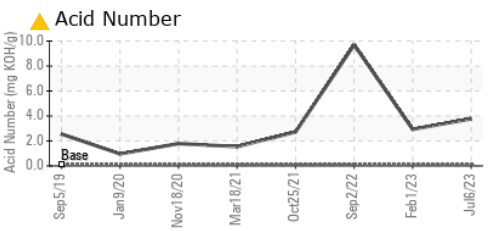
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN38957
Lab Number : 05902378
Unique Number : 10563734
Test Package : IND 2

Received : 19 Jul 2023
Diagnosed : 21 Jul 2023
Diagnostician : Jonathan Hester

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)

STANLEY HEATING & AIR
1002 DOBBINS MILL RD
ELKIN, NC
US 28621
Contact: DARRYL WEDDLE

T: (336)366-4226
F: