



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MATTEI 10014081-2020

Component
Compressor

Fluid
ROTOROIL 8000F2 (2 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental level of silicon (Si) above normal. There is a light concentration of water present in the oil.

FLUID CONDITION

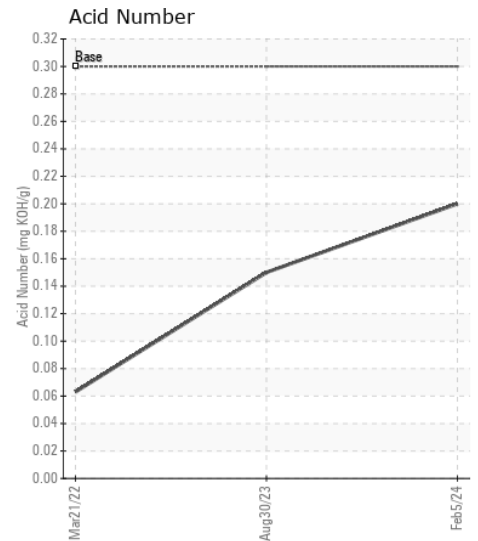
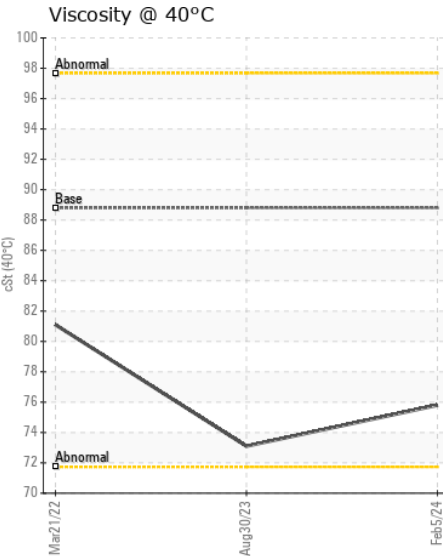
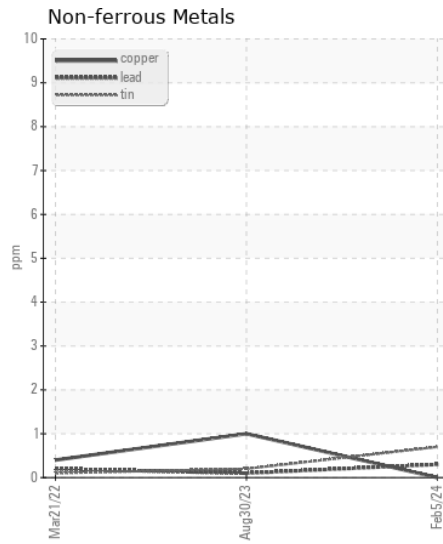
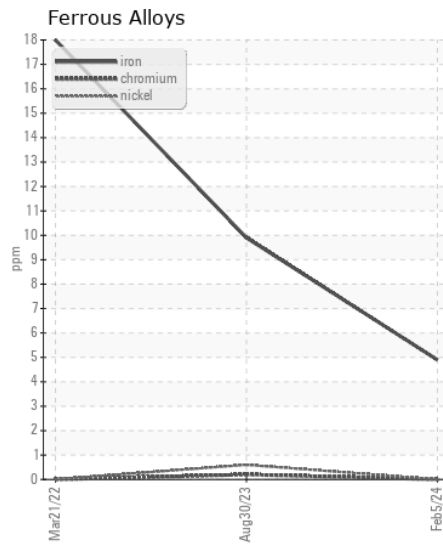
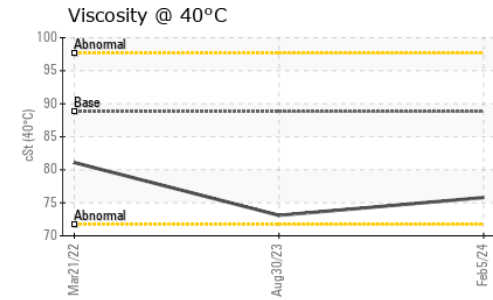
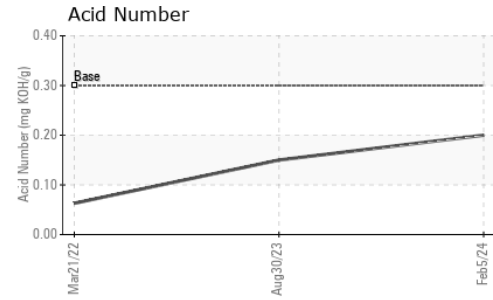
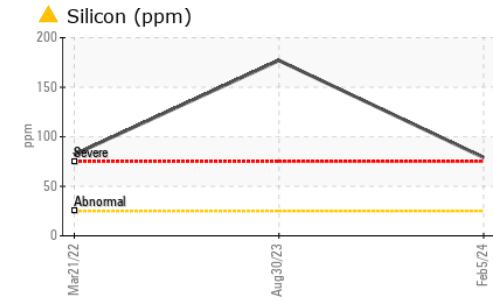
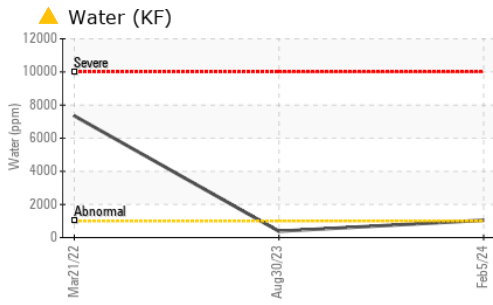
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN37300	AN25312	AN36378
Sample Date		Client Info		05 Feb 2024	30 Aug 2023	21 Mar 2022
Machine Age	hrs	Client Info		1229	730	13
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL

Iron	ppm	ASTM D5185m	>50	5	10	18
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	2	1
Lead	ppm	ASTM D5185m	>25	<1	<1	<1
Copper	ppm	ASTM D5185m	>50	0	1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	▲ 79	▲ 177	▲ 82
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Water	%	ASTM D6304	>0.1	▲ 0.104	0.038	▲ 0.735
ppm Water	ppm	ASTM D6304	>1000	▲ 1047	382	▲ 7350
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	0.2%

Sodium	ppm	ASTM D5185m		3	8	4
Boron	ppm	ASTM D5185m		<1	0	3
Barium	ppm	ASTM D5185m		0	4	2
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	1	<1
Calcium	ppm	ASTM D5185m		<1	<1	0
Phosphorus	ppm	ASTM D5185m		969	935	856
Zinc	ppm	ASTM D5185m		40	50	6
Sulfur	ppm	ASTM D5185m		204	55	149
Acid Number (AN)	mg KOH/g	ASTM D8045	0.3	0.20	0.15	0.063
Visc @ 40°C	cSt	ASTM D445	88.8	75.8	73.1	81.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN37300
Lab Number : 06103062
Unique Number : 10901292
Test Package : IND 2

Received : 28 Feb 2024
Tested : 01 Mar 2024
Diagnosed : 01 Mar 2024 - Jonathan Hester

MATTEI COMPRESSORS--OEM
 9635 LIBERTY ROAD, SUITE E
 RANDALLSTOWN, MD
 US 21133

Contact: MARTY WARD
 jward@matteicomp.com

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)

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