



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MATTEI 10002423-2018 (S/N 10002423-2013)

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

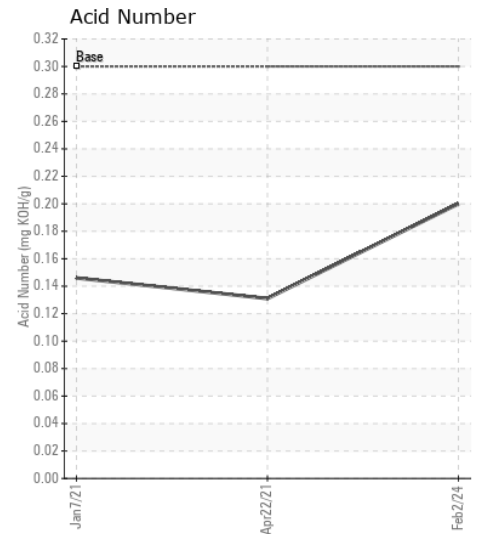
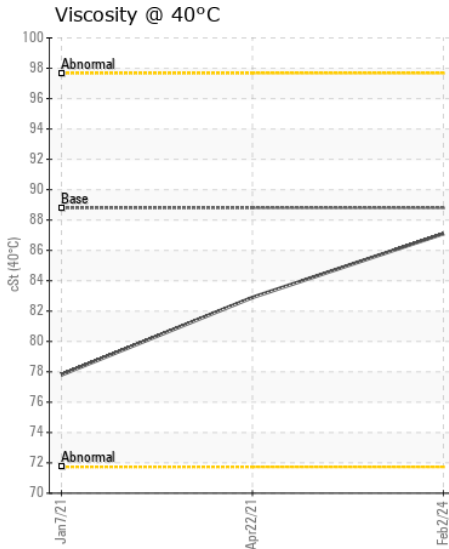
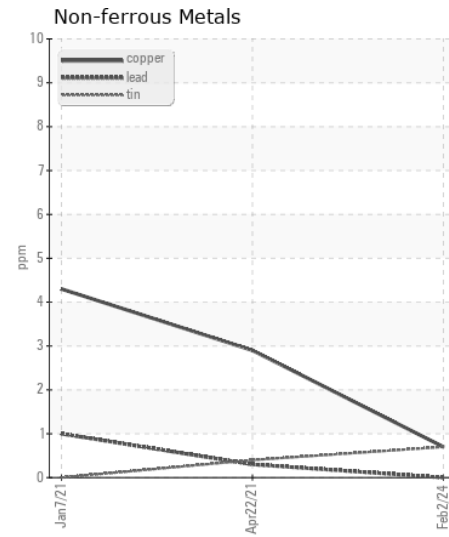
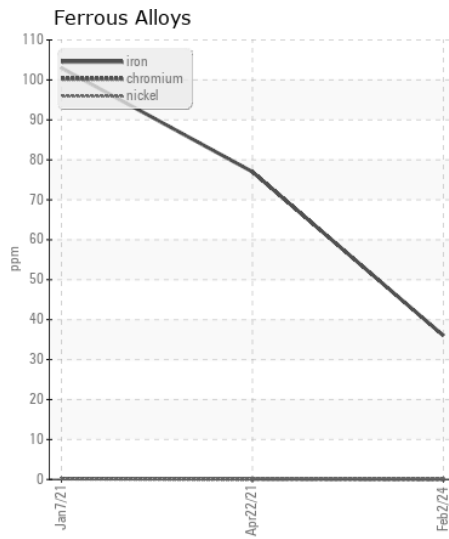
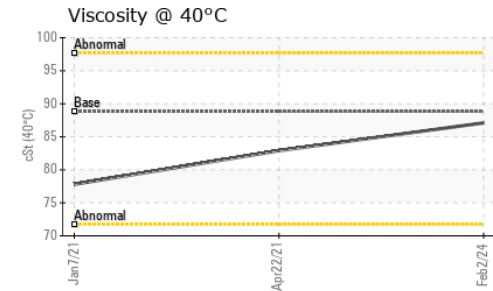
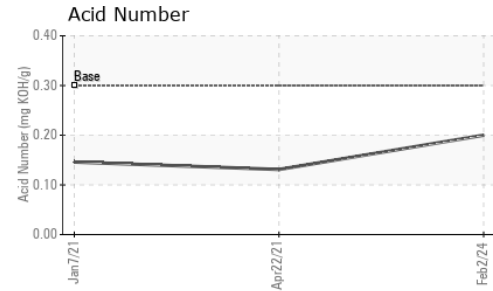
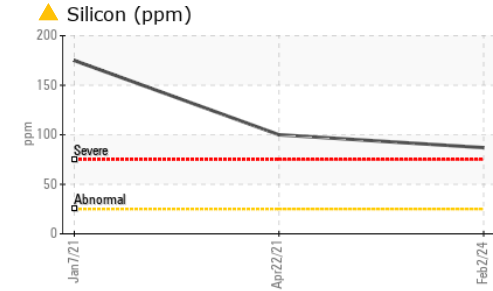
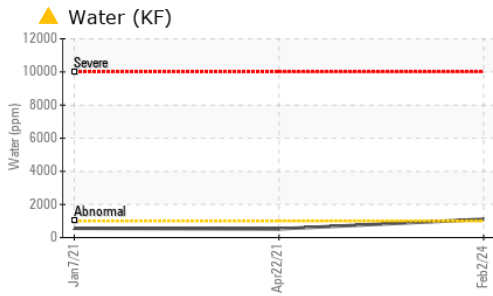
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN25408	AN35750	AN36201
Sample Date		Client Info		02 Feb 2024	22 Apr 2021	07 Jan 2021
Machine Age	hrs	Client Info		2496	947	810
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

Iron	ppm	ASTM D5185m	>50	36	▲ 77	▲ 103
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	4
Lead	ppm	ASTM D5185m	>25	0	<1	1
Copper	ppm	ASTM D5185m	>50	<1	3	4
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	▲ 87	▲ 100	▲ 175
Potassium	ppm	ASTM D5185m	>20	<1	<1	8
Water	%	ASTM D6304	>0.1	▲ 0.110	0.052	0.055
ppm Water	ppm	ASTM D6304	>1000	▲ 1106	522.7	558.3
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	▲ 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

Sodium	ppm	ASTM D5185m		19	31	48
Boron	ppm	ASTM D5185m		<1	1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	1	1
Calcium	ppm	ASTM D5185m		7	<1	2
Phosphorus	ppm	ASTM D5185m		819	1000	1295
Zinc	ppm	ASTM D5185m		118	61	46
Sulfur	ppm	ASTM D5185m		334	115	8
Acid Number (AN)	mg KOH/g	ASTM D8045	0.3	0.20	0.131	0.146
Visc @ 40°C	cSt	ASTM D445	88.8	87.1	82.9	77.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : AN25408

Lab Number : 06103056

Unique Number : 10901286

Test Package : IND 2

Received : 28 Feb 2024

Tested : 01 Mar 2024

Diagnosed : 01 Mar 2024 - Jonathan Hester

MATTEI COMPRESSORS--OEM

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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)