



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
MATTEI 3NG0AW-2017

Component
Compressor

Fluid
{not provided} (1 GAL)

RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

The iron level is severe.

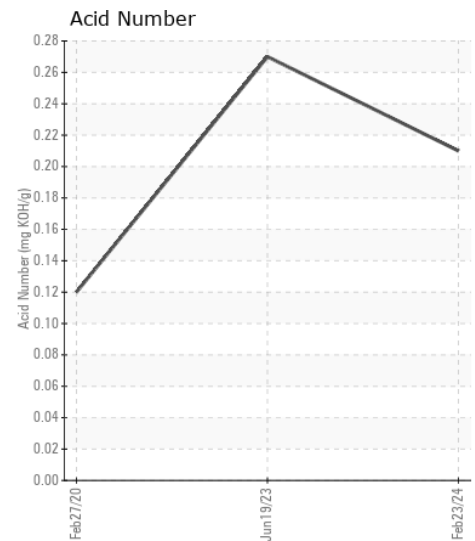
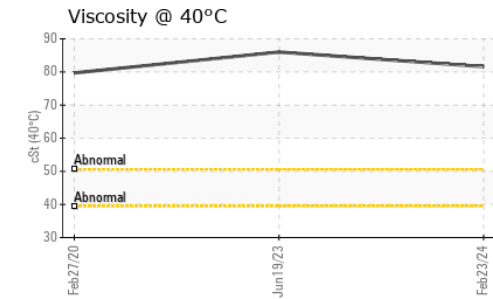
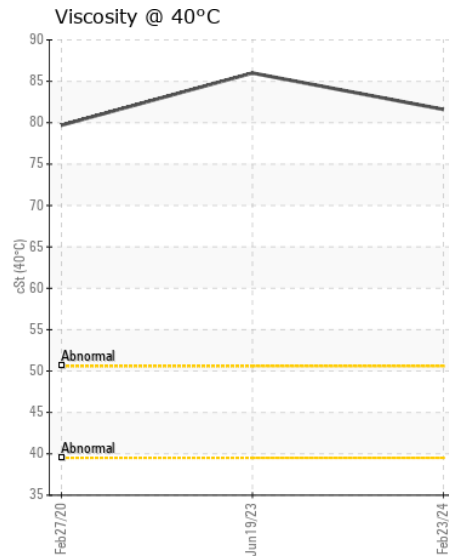
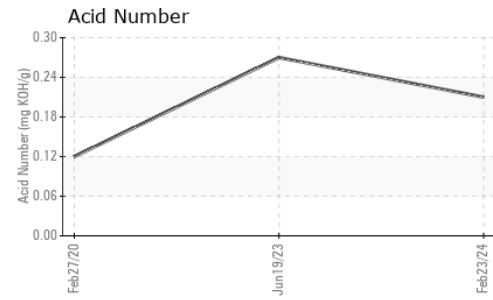
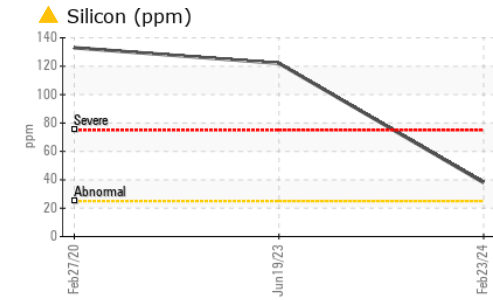
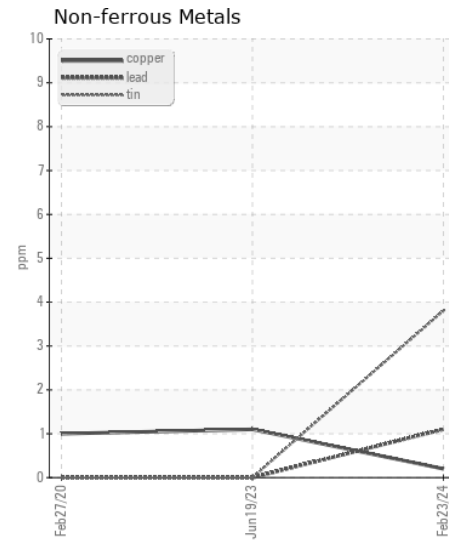
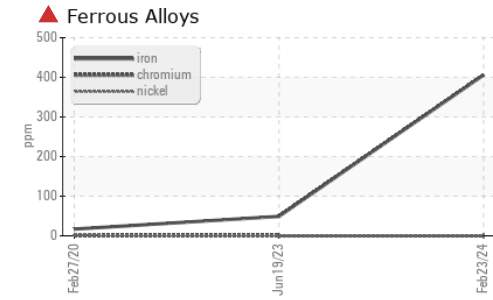
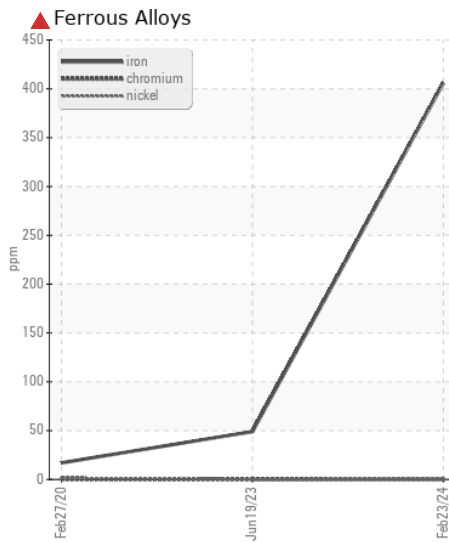
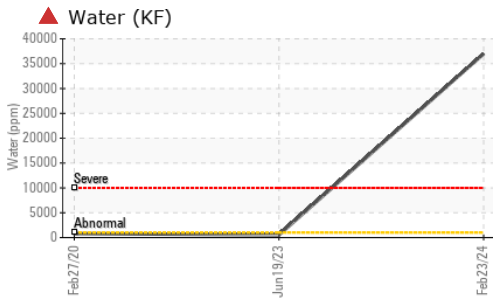
CONTAMINATION

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

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN37700	AN25435	AN36699
Sample Date		Client Info		23 Feb 2024	19 Jun 2023	27 Feb 2020
Machine Age	hrs	Client Info		3098	2933	675
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
Iron	ppm	ASTM D5185m	>50	▲ 406	49	17
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		<1	0	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	7	2	2
Lead	ppm	ASTM D5185m	>25	1	0	0
Copper	ppm	ASTM D5185m	>50	<1	1	1
Tin	ppm	ASTM D5185m	>15	4	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	▲ 38	▲ 122	▲ 133
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.1	▲ 3.70	0.054	0.081
ppm Water	ppm	ASTM D6304	>1000	▲ 37000	549.6	810.9
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	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		8	18	18
Boron	ppm	ASTM D5185m		7	0	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		4	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	2
Calcium	ppm	ASTM D5185m		2	0	1
Phosphorus	ppm	ASTM D5185m		963	885	1292
Zinc	ppm	ASTM D5185m		19	34	27
Sulfur	ppm	ASTM D5185m		275	262	65
Acid Number (AN)	mg KOH/g	ASTM D8045		0.21	0.27	0.120
Visc @ 40°C	cSt	ASTM D445		81.6	86.0	79.7



Certificate L2367

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

Sample No. : AN37700

Lab Number : 06103049

Unique Number : 10901279

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

T: (410)521-7020

F: (410)521-7024

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)