



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id  
**MATTEI 10010145-2019**

Component  
**Compressor**

Fluid  
**ROTOROIL 8000 (1 GAL)**

**RECOMMENDATION**

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

**WEAR**

All component wear rates are normal.

**CONTAMINATION**

Moderate concentration of visible dirt/debris present in the oil.

**FLUID CONDITION**

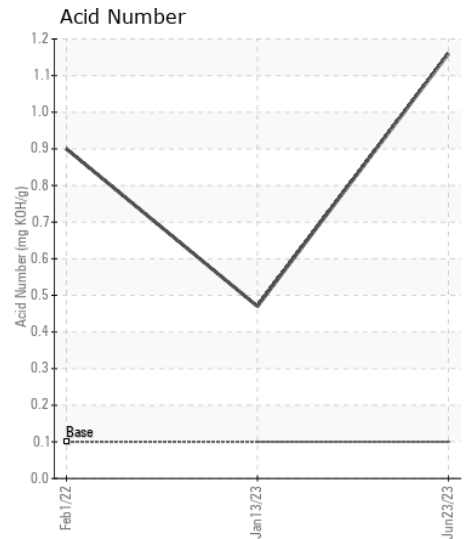
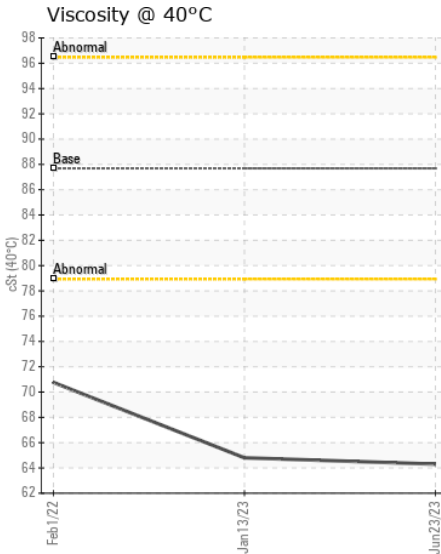
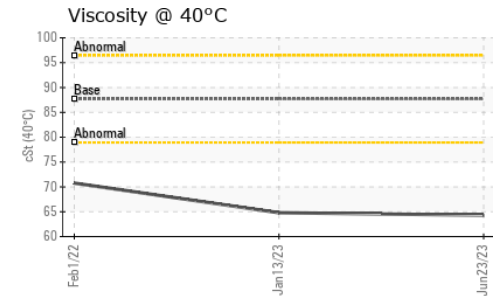
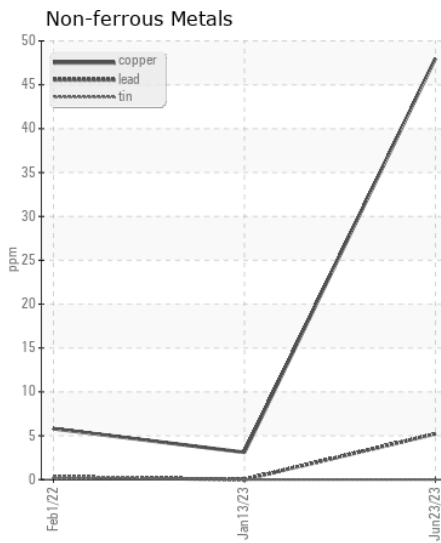
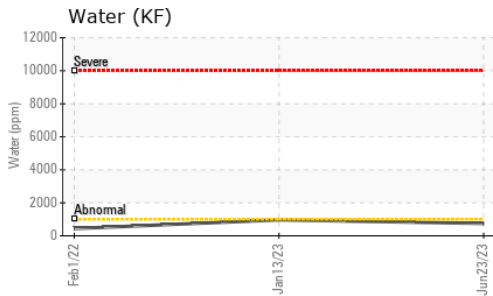
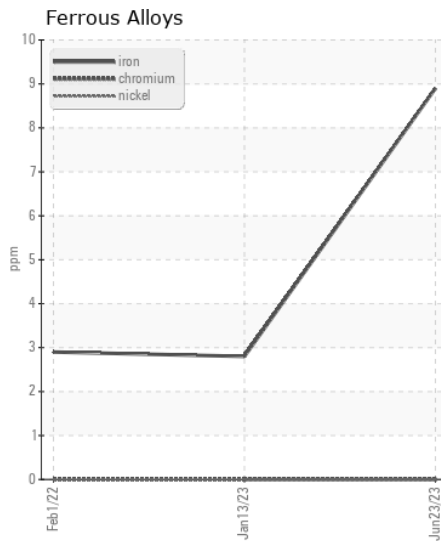
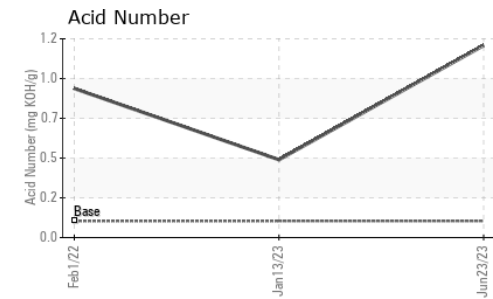
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN25244</b>	AN05744202	AN25148
Sample Date		Client Info		<b>23 Jun 2023</b>	13 Jan 2023	01 Feb 2022
Machine Age	hrs	Client Info		<b>25610</b>	23009	14986
Oil Age	hrs	Client Info		<b>2601</b>	4535	0
Filter Age	hrs	Client Info		<b>2601</b>	4535	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>MARGINAL</b>	NORMAL	ATTENTION

Iron	ppm	ASTM D5185m	>50	<b>9</b>	3	3
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m	>25	<b>5</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>48</b>	3	6
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	15	22
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	0
Water	%	ASTM D6304	>0.1	<b>0.074</b>	0.096	0.043
ppm Water	ppm	ASTM D6304	>1000	<b>748.4</b>	967.6	439.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>29</b>	3	9
Boron	ppm	ASTM D5185m		<b>0</b>	0	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>2</b>	3	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	8	<1
Phosphorus	ppm	ASTM D5185m	884	<b>774</b>	768	718
Zinc	ppm	ASTM D5185m		<b>474</b>	107	107
Sulfur	ppm	ASTM D5185m		<b>36</b>	66	77
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	<b>1.16</b>	0.47	0.90
Visc @ 40°C	cSt	ASTM D445	87.69	<b>64.3</b>	64.8	70.76



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN25244  
**Lab Number** : 05892292  
**Unique Number** : 10548102  
**Test Package** : IND 2  
**Received** : 07 Jul 2023  
**Tested** : 10 Jul 2023  
**Diagnosed** : 10 Jul 2023 - Doug Bogart

**MATTEI COMPRESSORS--OEM**  
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Certificate L2367  
 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)