



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**MATTEI 093947**  
 Component  
**Compressor**  
 Fluid  
**ROTOROIL 8000 (1 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

**WEAR**

All component wear rates are normal.

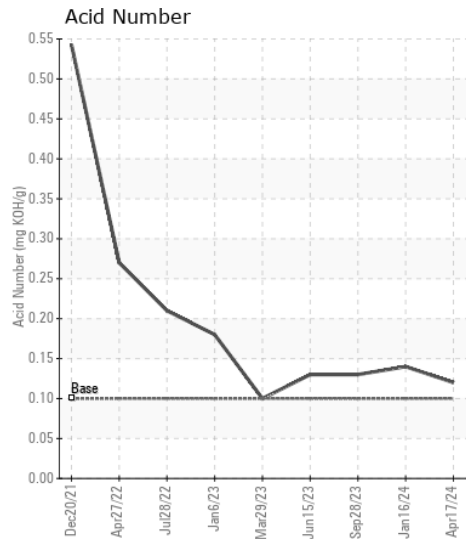
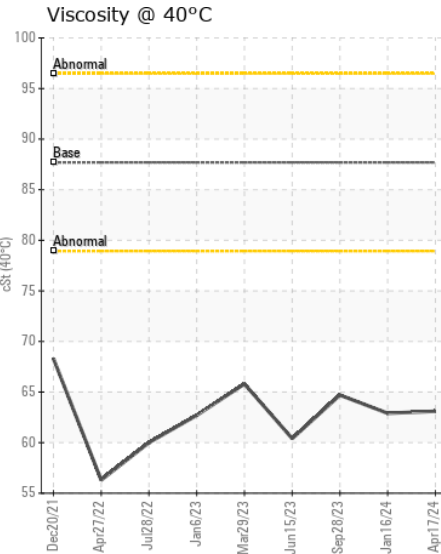
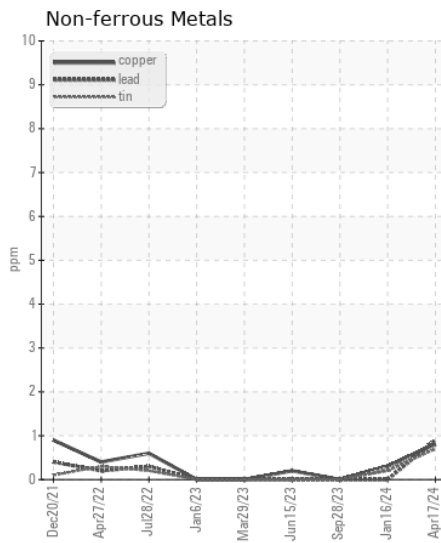
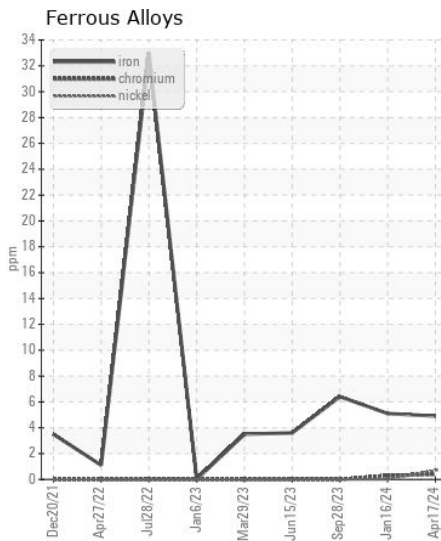
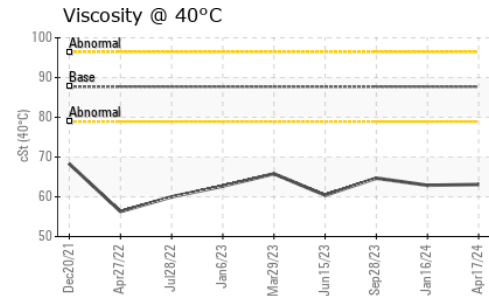
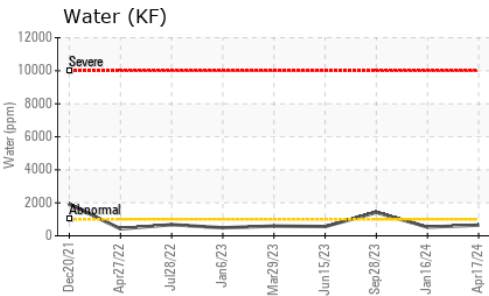
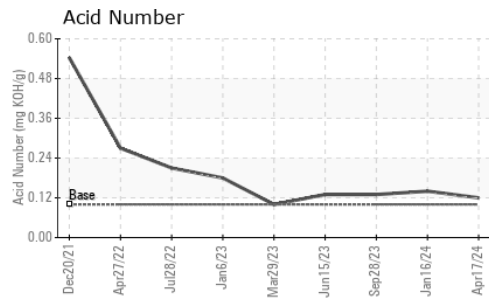
**CONTAMINATION**

The water content is negligible. There is no indication of any contamination 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>AN37609</b>	AN25477	AN25355
Sample Date		Client Info		<b>17 Apr 2024</b>	16 Jan 2024	28 Sep 2023
Machine Age	hrs	Client Info		<b>18306</b>	17157	15470
Oil Age	hrs	Client Info		<b>1149</b>	1687	774
Filter Age	hrs	Client Info		<b>1149</b>	1687	774
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	<b>5</b>	5	6
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	4
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	<b>4</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	0
Water	%	ASTM D6304	>0.1	<b>0.064</b>	0.052	▲ 0.142
ppm Water	ppm	ASTM D6304	>1000	<b>649</b>	528	▲ 1420
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</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	0.2%
Sodium	ppm	ASTM D5185m		<b>2</b>	0	<1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	884	<b>955</b>	908	912
Zinc	ppm	ASTM D5185m		<b>3</b>	0	0
Sulfur	ppm	ASTM D5185m		<b>0</b>	0	27
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	<b>0.12</b>	0.14	0.13
Visc @ 40°C	cSt	ASTM D445	87.69	<b>63.1</b>	62.9	64.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN37609  
**Lab Number** : 06160458  
**Unique Number** : 10995881  
**Test Package** : IND 2  
**Received** : 25 Apr 2024  
**Tested** : 30 Apr 2024  
**Diagnosed** : 30 Apr 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)