



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**MATTEI 9JTUKT**  
 Component  
**Compressor**  
 Fluid  
**ROTOROIL 8000 (1 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN25481</b>	AN25237	AN38832
Sample Date		Client Info		<b>01 Feb 2024</b>	03 Aug 2023	08 Feb 2023
Machine Age	hrs	Client Info		<b>12514</b>	9654	9535
Oil Age	hrs	Client Info		<b>2860</b>	119	2149
Filter Age	hrs	Client Info		<b>2860</b>	119	2149
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>	ABNORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>32</b>	▲ 87	▲ 95
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	5
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

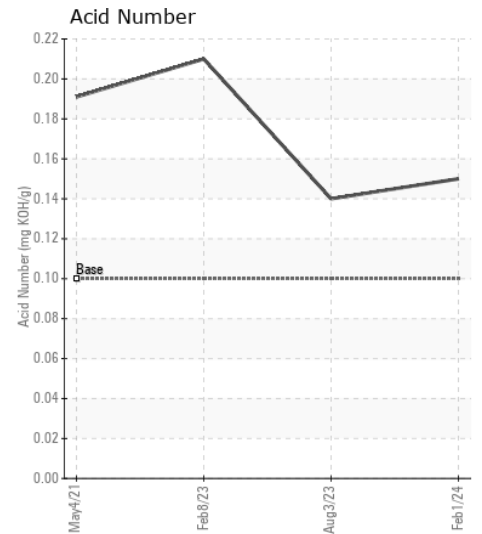
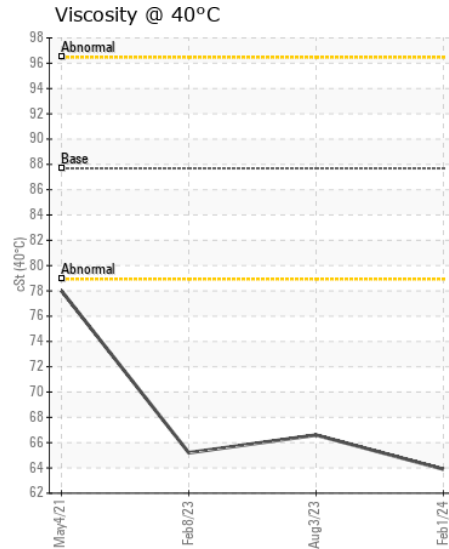
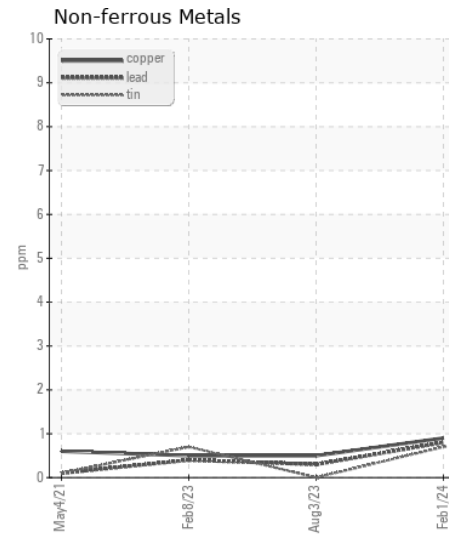
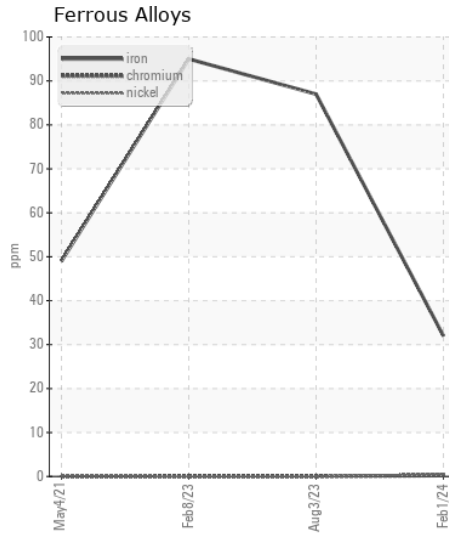
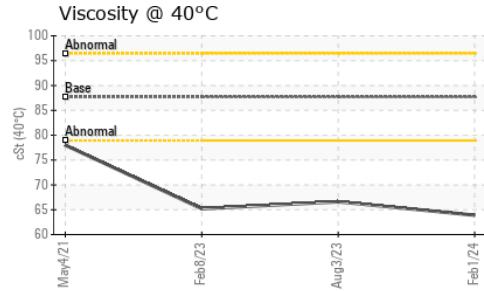
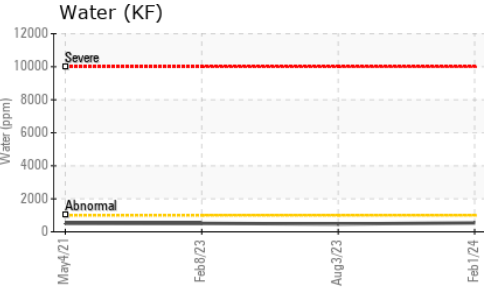
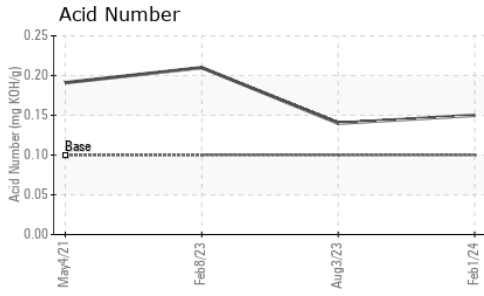
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>15</b>	16	▲ 27
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	5
Water	%	ASTM D6304	>0.1	<b>0.054</b>	0.047	0.051
ppm Water	ppm	ASTM D6304	>1000	<b>540</b>	473.3	510.0
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	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>13</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	5
Phosphorus	ppm	ASTM D5185m	884	<b>964</b>	933	857
Zinc	ppm	ASTM D5185m		<b>0</b>	7	8
Sulfur	ppm	ASTM D5185m		<b>0</b>	0	62
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	<b>0.15</b>	0.14	0.21
Visc @ 40°C	cSt	ASTM D445	87.69	<b>63.9</b>	66.6	65.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN25481  
**Lab Number** : 06086123  
**Unique Number** : 10873568  
**Test Package** : IND 2  
**Received** : 12 Feb 2024  
**Tested** : 14 Feb 2024  
**Diagnosed** : 14 Feb 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)