



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id  
**MATTEI 10014062-2020**  
 Component  
**Compressor**  
 Fluid  
**ROTOROIL F2 (2 QTS)**

## RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

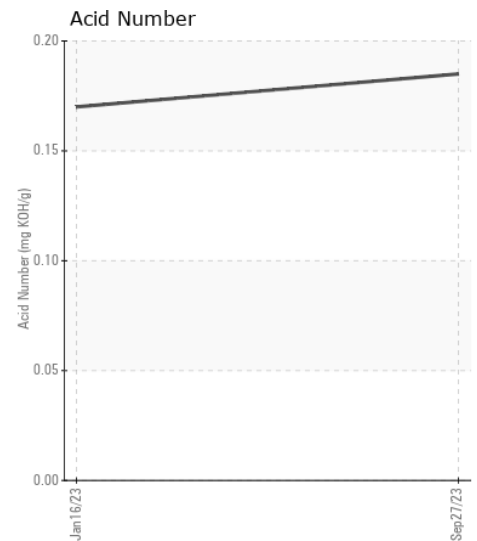
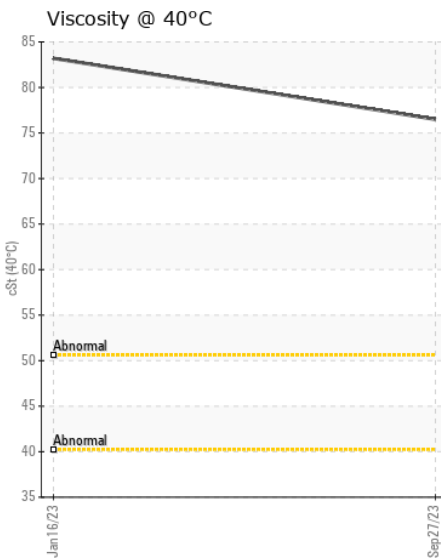
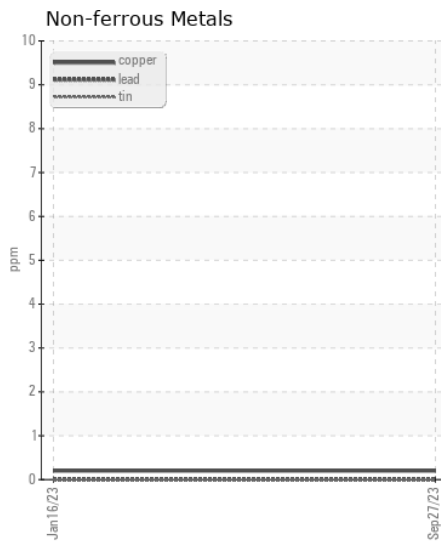
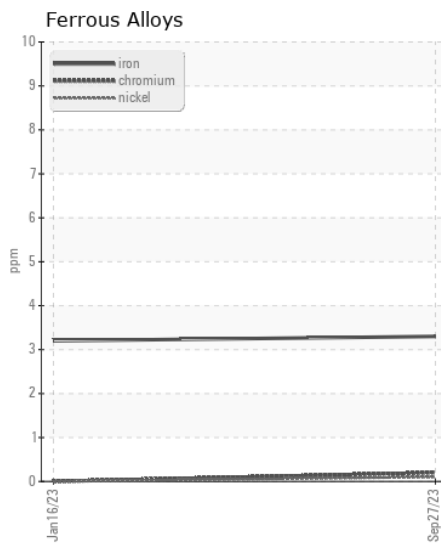
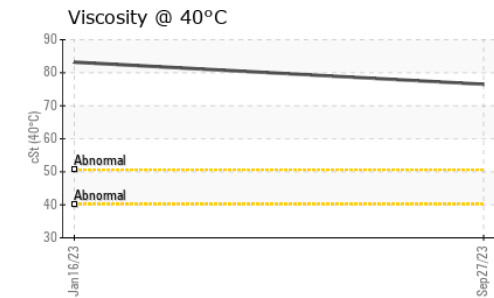
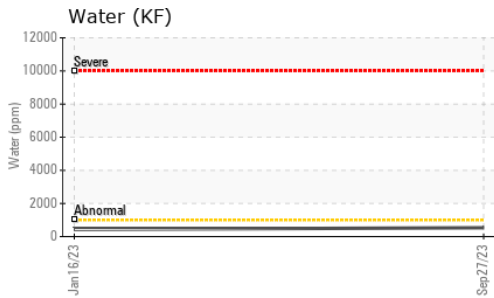
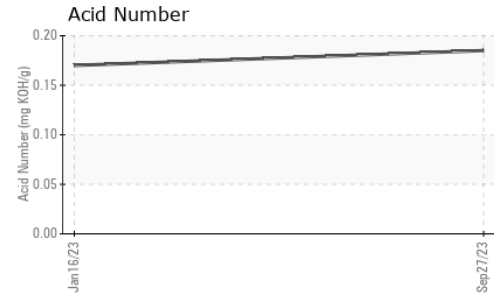
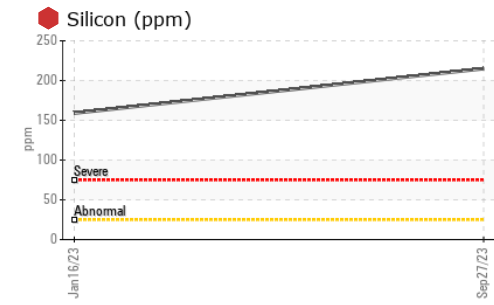
## CONTAMINATION

Elemental level of silicon (Si) above normal. The water content is negligible.

## 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>AN25342</b>	AN38930	---
Sample Date		Client Info		<b>27 Sep 2023</b>	16 Jan 2023	---
Machine Age	hrs	Client Info		<b>424</b>	220	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>SEVERE</b>	SEVERE	---
Iron	ppm	ASTM D5185m	>50	<b>3</b>	3	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>25	<b>215</b>	159	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Water	%	ASTM D6304	>0.1	<b>0.053</b>	0.043	---
ppm Water	ppm	ASTM D6304	>1000	<b>534.9</b>	430.2	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m		<b>3</b>	0	---
Phosphorus	ppm	ASTM D5185m		<b>1064</b>	915	---
Zinc	ppm	ASTM D5185m		<b>4</b>	10	---
Sulfur	ppm	ASTM D5185m		<b>253</b>	258	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.185</b>	0.17	---
Visc @ 40°C	cSt	ASTM D445		<b>76.5</b>	83.2	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN25342  
**Lab Number** : 05985647  
**Unique Number** : 10702942  
**Test Package** : IND 2

**Received** : 20 Oct 2023  
**Tested** : 24 Oct 2023  
**Diagnosed** : 25 Oct 2023 - 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)