



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**MATTEI 093693-2019 - PROFESSIONAL AUTOMOTIVE**

Component  
**Compressor**  
Fluid  
**ROTOROIL 8000F2 (1 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN38944</b>	AN35904	---
Sample Date		Client Info		<b>27 Sep 2023</b>	02 Dec 2022	---
Machine Age	hrs	Client Info		<b>4575</b>	581	---
Oil Age	hrs	Client Info		<b>0</b>	581	---
Filter Age	hrs	Client Info		<b>0</b>	581	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>7</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>1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	3	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	1	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

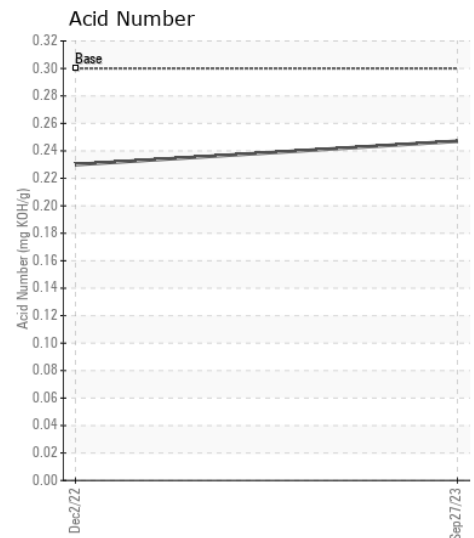
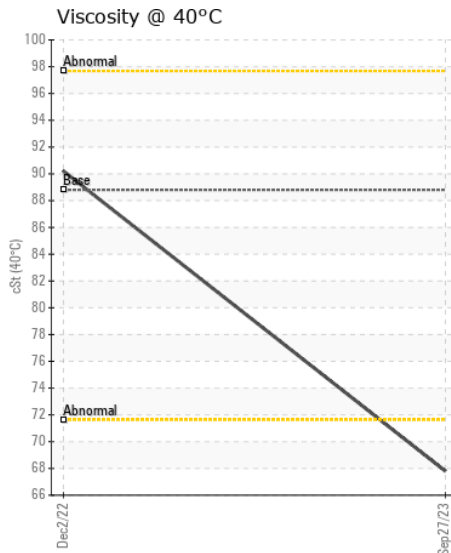
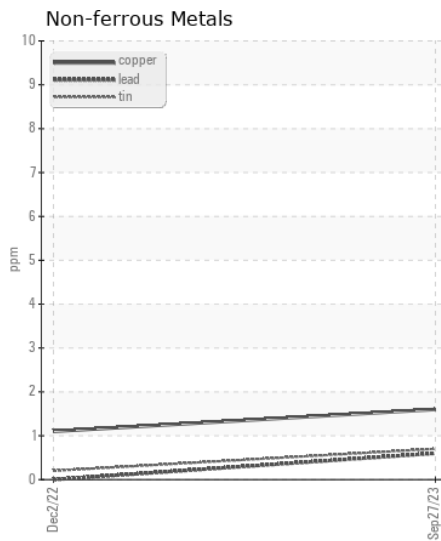
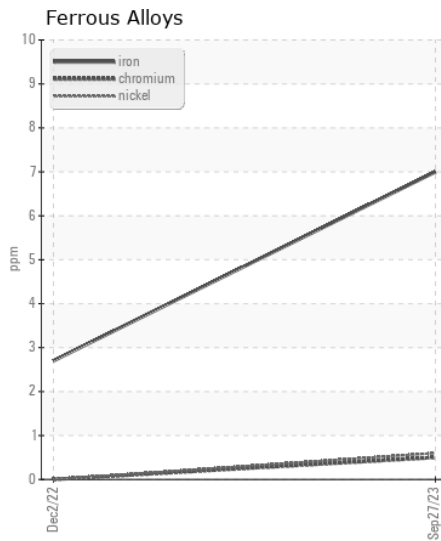
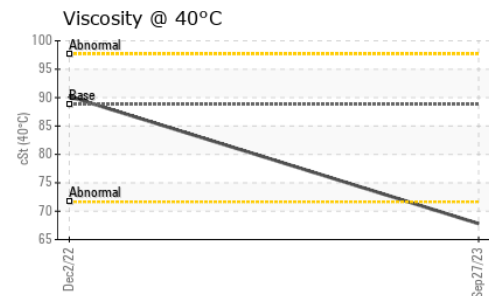
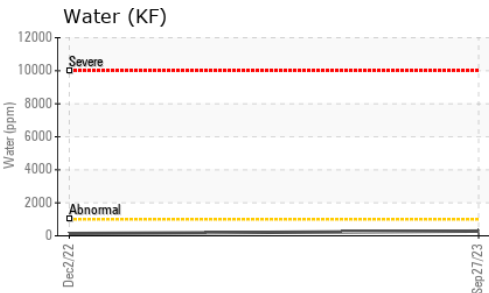
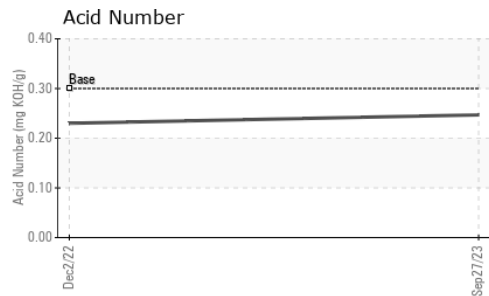
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>11</b>	19	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water	%	ASTM D6304	>0.1	<b>0.028</b>	0.014	---
ppm Water	ppm	ASTM D6304	>1000	<b>286</b>	140.2	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	---

**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>5</b>	4	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	---
Calcium	ppm	ASTM D5185m		<b>8</b>	<1	---
Phosphorus	ppm	ASTM D5185m		<b>1174</b>	765	---
Zinc	ppm	ASTM D5185m		<b>55</b>	35	---
Sulfur	ppm	ASTM D5185m		<b>33</b>	286	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.3	<b>0.247</b>	0.23	---
Visc @ 40°C	cSt	ASTM D445	88.8	<b>67.8</b>	90.2	---



Certificate L2367

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

**Sample No.** : AN38944

**Lab Number** : 06194061

**Unique Number** : 11056184

**Test Package** : IND 2

**Received** : 29 May 2024

**Tested** : 31 May 2024

**Diagnosed** : 31 May 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)