



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**MATTEI 10011065**  
 Component  
**Compressor**  
 Fluid  
**20001305 (1 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

**WEAR**

All component wear rates are normal.

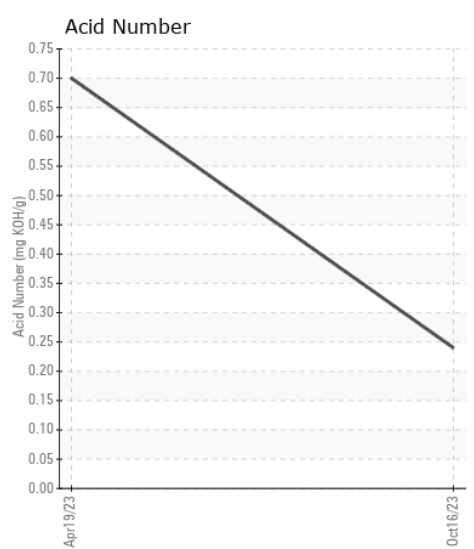
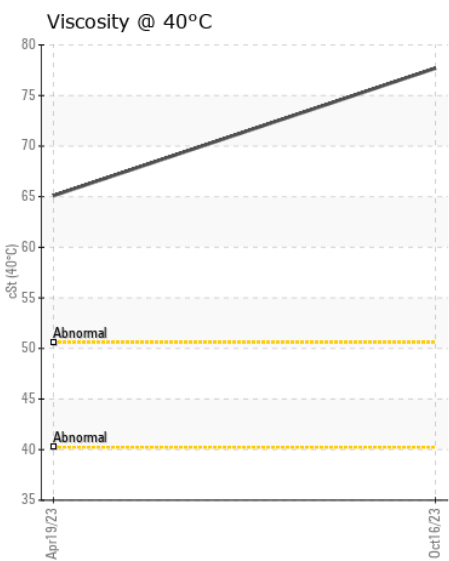
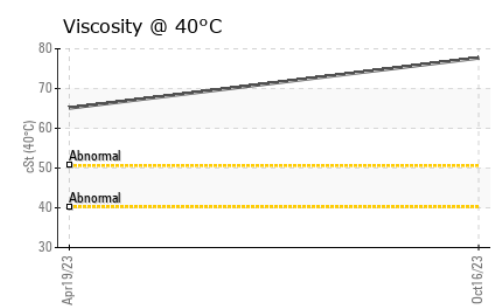
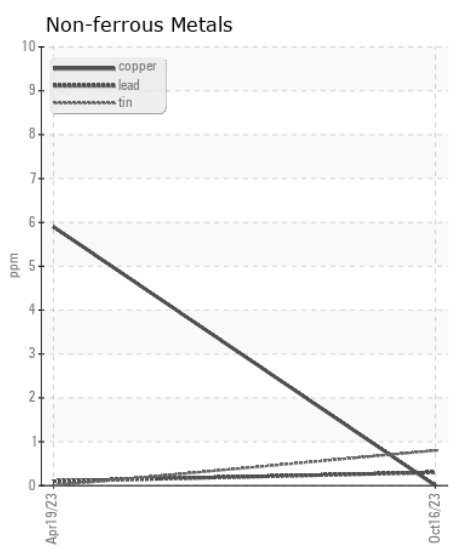
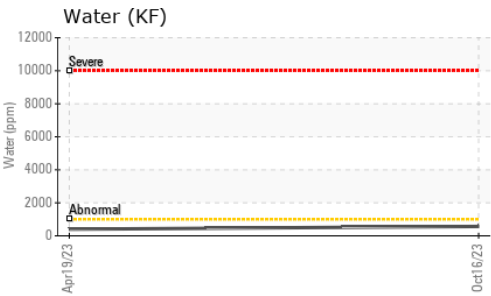
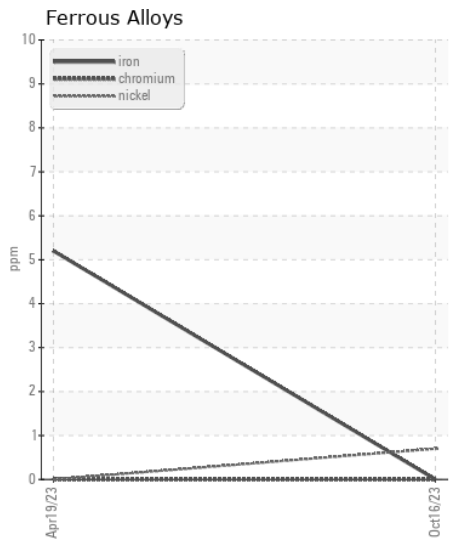
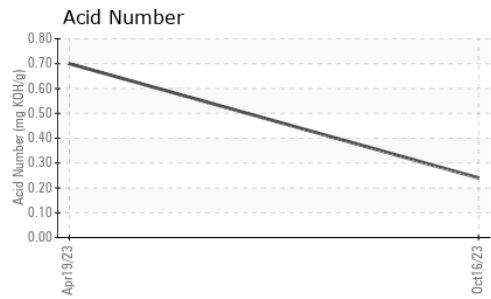
**CONTAMINATION**

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>AN37400</b>	AN37449	---
Sample Date		Client Info		<b>16 Oct 2023</b>	19 Apr 2023	---
Machine Age	hrs	Client Info		<b>11501</b>	10067	---
Oil Age	hrs	Client Info		<b>1434</b>	0	---
Filter Age	hrs	Client Info		<b>1434</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---
Iron	ppm	ASTM D5185m	>50	<b>0</b>	5	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>0</b>	6	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>25	<b>9</b>	▲ 83	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Water	%	ASTM D6304	>0.1	<b>0.056</b>	0.040	---
ppm Water	ppm	ASTM D6304	>1000	<b>568.7</b>	400.3	---
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	---
Sodium	ppm	ASTM D5185m		<b>3</b>	2	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>3</b>	2	---
Calcium	ppm	ASTM D5185m		<b>8</b>	1	---
Phosphorus	ppm	ASTM D5185m		<b>901</b>	804	---
Zinc	ppm	ASTM D5185m		<b>75</b>	38	---
Sulfur	ppm	ASTM D5185m		<b>124</b>	8	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.24</b>	0.70	---
Visc @ 40°C	cSt	ASTM D445		<b>77.7</b>	65.1	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN37400  
**Lab Number** : 05985645  
**Unique Number** : 10702940  
**Test Package** : IND 2  
**Received** : 20 Oct 2023  
**Tested** : 24 Oct 2023  
**Diagnosed** : 25 Oct 2023 - 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)