



OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>ATTENTION</b>

Machine Id  
**MATTEI 10009365-2019 - ASU-246**

Component  
**Compressor**

Fluid  
**V LIFE (2 QTS)**

**RECOMMENDATION**

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

**WEAR**

The iron level is abnormal.

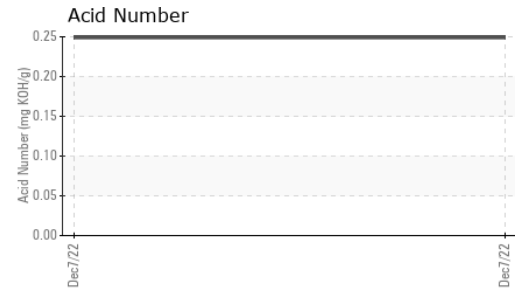
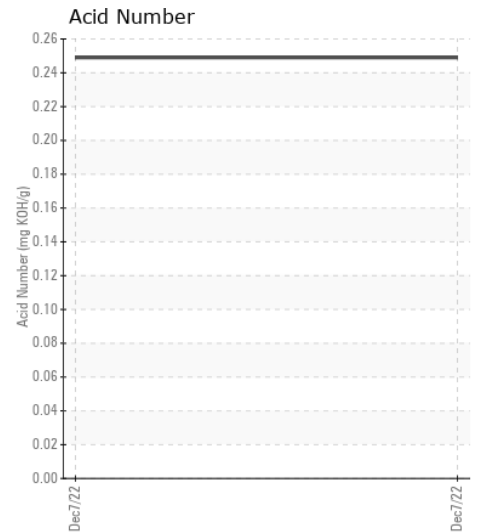
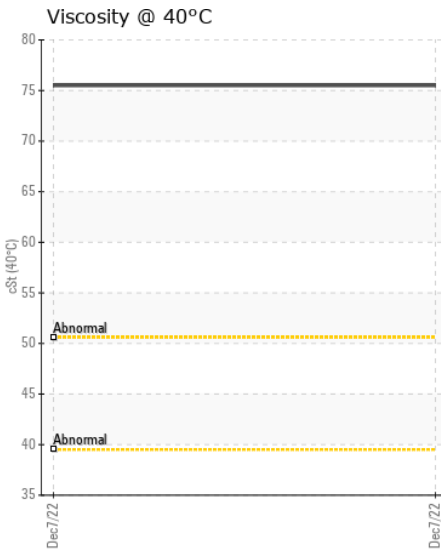
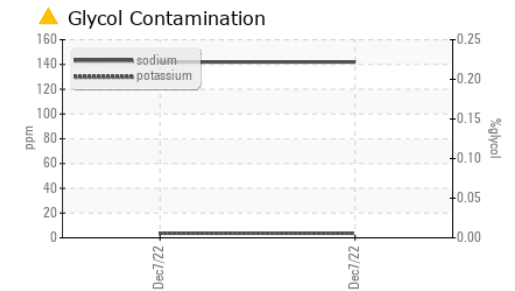
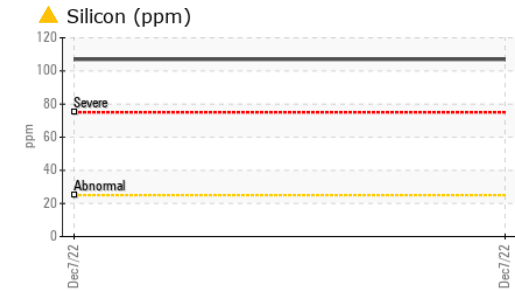
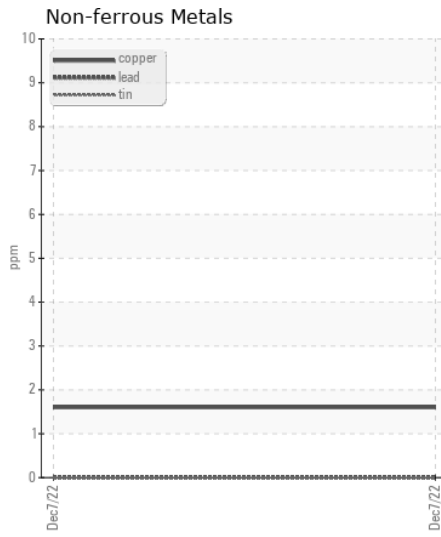
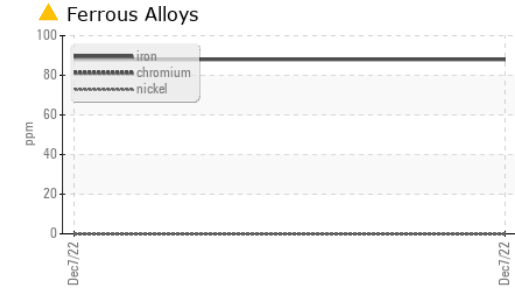
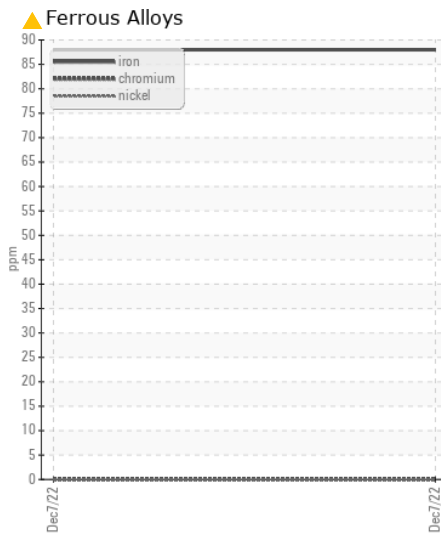
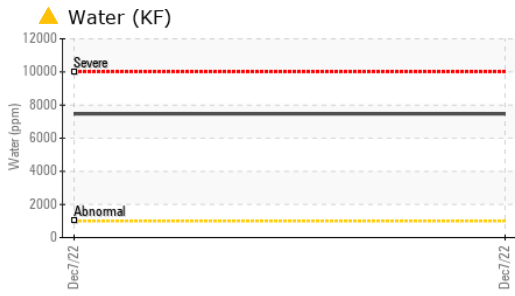
**CONTAMINATION**

Appearance is unacceptable. There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The high sodium (Na) level indicates the possible presence of salt water.

**FLUID CONDITION**

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN38550</b>	---	---
Sample Date		Client Info		<b>07 Dec 2022</b>	---	---
Machine Age	hrs	Client Info		<b>1507</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185m	>50	<b>▲ 88</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m		<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>9</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185m	>25	<b>▲ 107</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Water	%	ASTM D6304	>0.1	<b>▲ 0.747</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>▲ 7470</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>▲ MILKY</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	---	---
Sodium	ppm	ASTM D5185m		<b>▲ 142</b>	---	---
Boron	ppm	ASTM D5185m		<b>4</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	---	---
Calcium	ppm	ASTM D5185m		<b>3</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1049</b>	---	---
Zinc	ppm	ASTM D5185m		<b>83</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>109</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.249</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>75.5</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN38550 **Received** : 19 Jan 2023  
**Lab Number** : 05744203 **Diagnosed** : 20 Jan 2023  
**Unique Number** : 10298802 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

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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)