



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	SEVERE

Machine Id
MATTEI 10010995-2020

Component
Compressor

Fluid
ATLAS COPCO ROTO XTEND (--- GAL)

RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

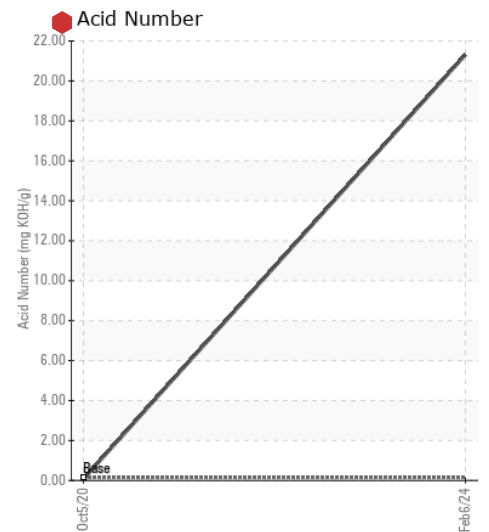
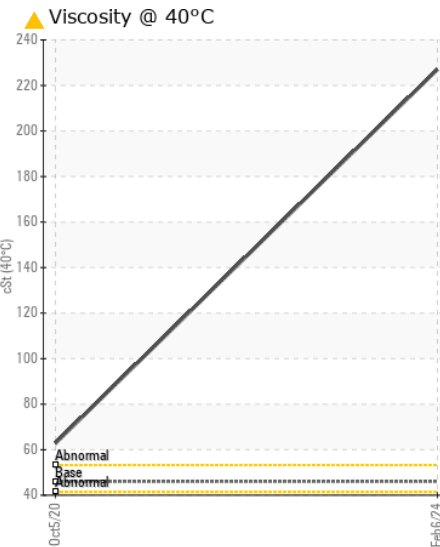
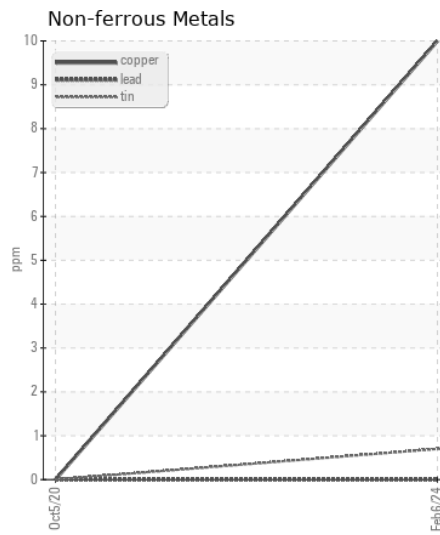
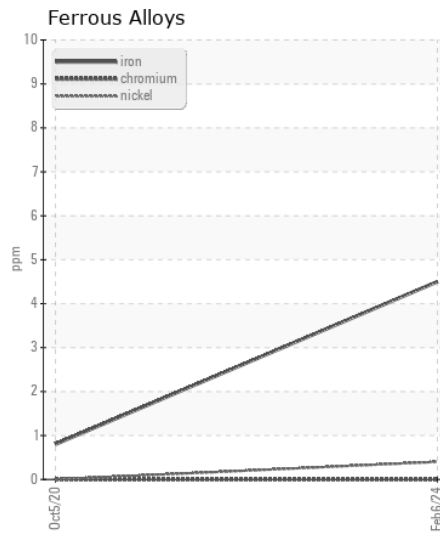
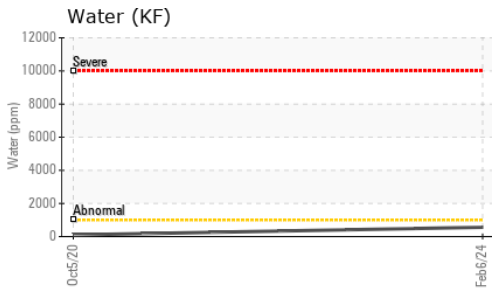
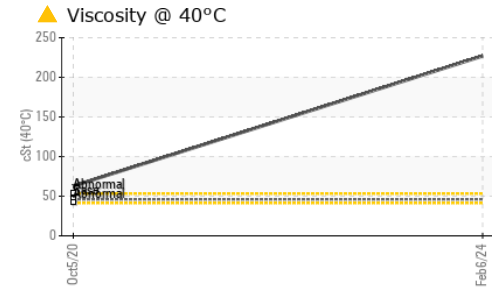
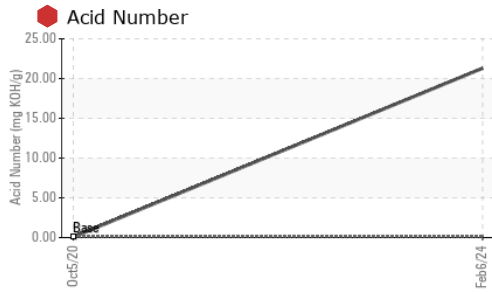
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is above the recommended limit. The oil viscosity is higher than normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN35442	AN36603	---
Sample Date		Client Info		06 Feb 2024	05 Oct 2020	---
Machine Age	hrs	Client Info		17367	631	---
Oil Age	hrs	Client Info		6056	631	---
Filter Age	hrs	Client Info		6056	631	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	ABNORMAL	---
Iron	ppm	ASTM D5185m	>50	4	<1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m		<1	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	0	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	10	0	---
Tin	ppm	ASTM D5185m	>15	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	3	▲ 73	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water	%	ASTM D6304	>0.1	0.056	0.010	---
ppm Water	ppm	ASTM D6304	>1000	564	101.0	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		24	0	---
Boron	ppm	ASTM D5185m		0	1	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		6	0	---
Calcium	ppm	ASTM D5185m		7	0	---
Phosphorus	ppm	ASTM D5185m		54	359	---
Zinc	ppm	ASTM D5185m		11	0	---
Sulfur	ppm	ASTM D5185m		49	383	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	● 21.3	0.067	---
Visc @ 40°C	cSt	ASTM D445	46	▲ 227	62.8	---



Certificate L2367

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

Sample No. : AN35442

Lab Number : 06097797

Unique Number : 10896027

Test Package : IND 2

Received : 22 Feb 2024

Tested : 25 Feb 2024

Diagnosed : 25 Feb 2024 - Doug Bogart

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)