



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
MATTEI 10010145-2019
 Component
Compressor
 Fluid
ROTOROIL 8000 (1 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

The copper level is abnormal. All other component wear rates are normal.

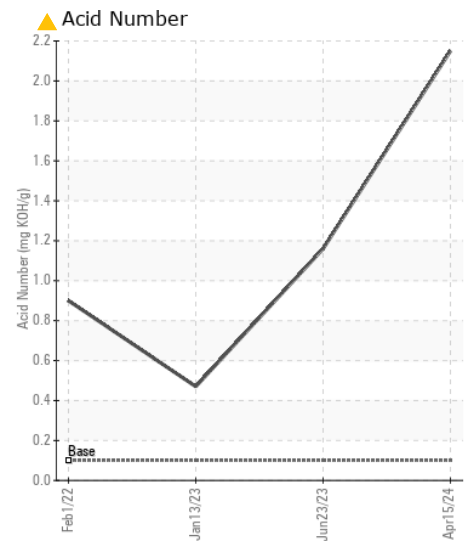
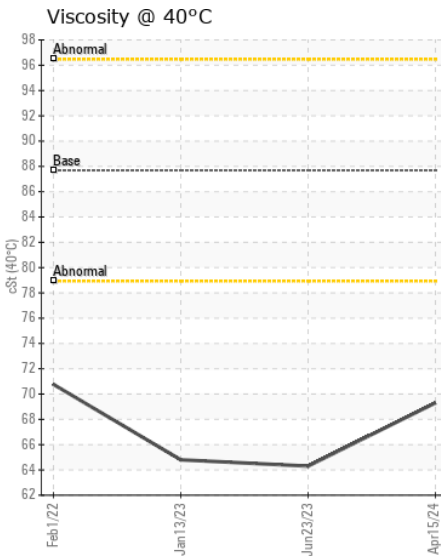
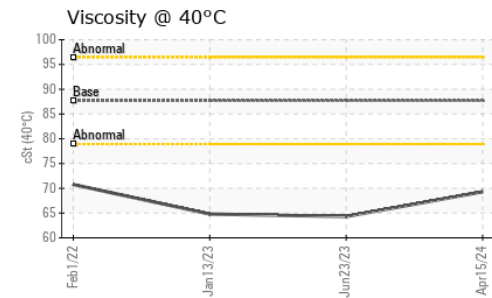
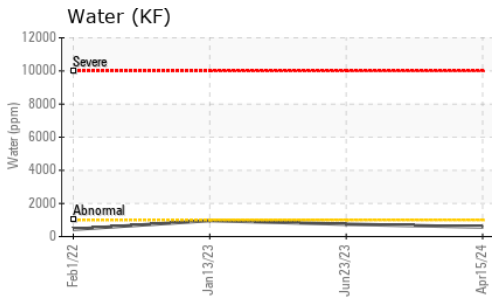
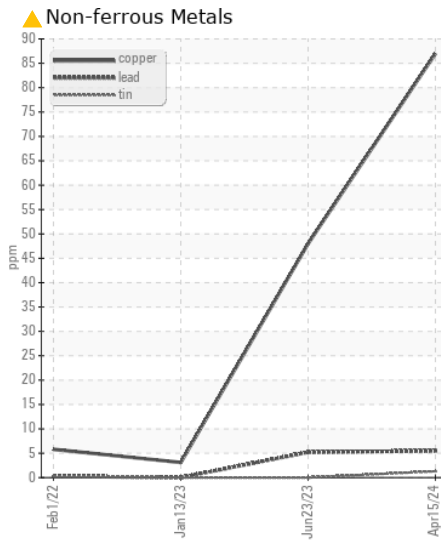
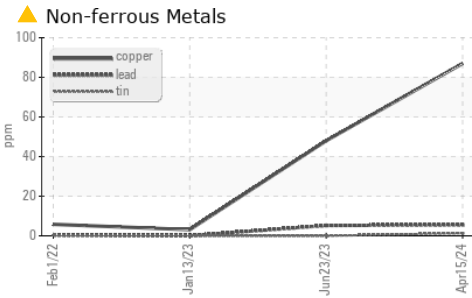
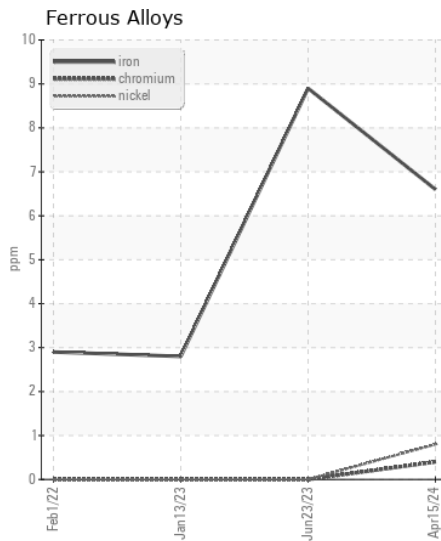
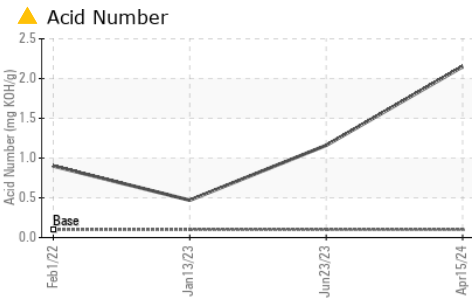
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is above the recommended limit. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN37603	AN25244	AN05744202
Sample Date		Client Info		15 Apr 2024	23 Jun 2023	13 Jan 2023
Machine Age	hrs	Client Info		33206	25610	23009
Oil Age	hrs	Client Info		4165	2601	4535
Filter Age	hrs	Client Info		4165	2601	4535
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	MARGINAL	NORMAL
Iron	ppm	ASTM D5185m	>50	7	9	3
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>25	6	5	0
Copper	ppm	ASTM D5185m	>50	▲ 87	48	3
Tin	ppm	ASTM D5185m	>15	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	6	6	15
Potassium	ppm	ASTM D5185m	>20	1	0	2
Water	%	ASTM D6304	>0.1	0.057	0.074	0.096
ppm Water	ppm	ASTM D6304	>1000	576	748.4	967.6
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		22	29	3
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		1	2	3
Calcium	ppm	ASTM D5185m		<1	0	8
Phosphorus	ppm	ASTM D5185m	884	702	774	768
Zinc	ppm	ASTM D5185m		233	474	107
Sulfur	ppm	ASTM D5185m		0	36	66
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	▲ 2.15	1.16	0.47
Visc @ 40°C	cSt	ASTM D445	87.69	69.3	64.3	64.8



Certificate L2367

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

Sample No. : AN37603

Lab Number : 06160454

Unique Number : 10995877

Test Package : IND 2

Received : 25 Apr 2024

Tested : 30 Apr 2024

Diagnosed : 30 Apr 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)