



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MATTEI ZWTXSD-2018 - ASU-067

Component
Compressor

Fluid
ROTOROIL 8000F2 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

Appearance is hazy. Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

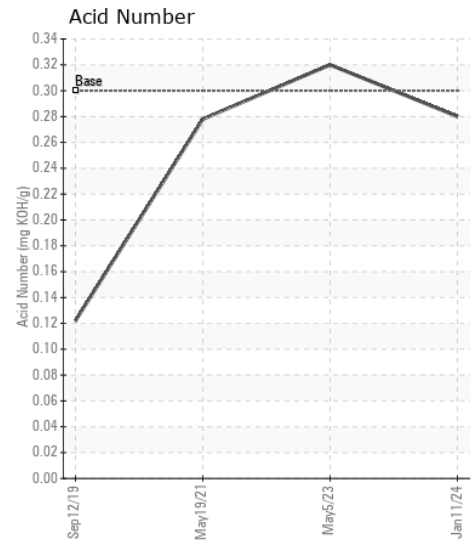
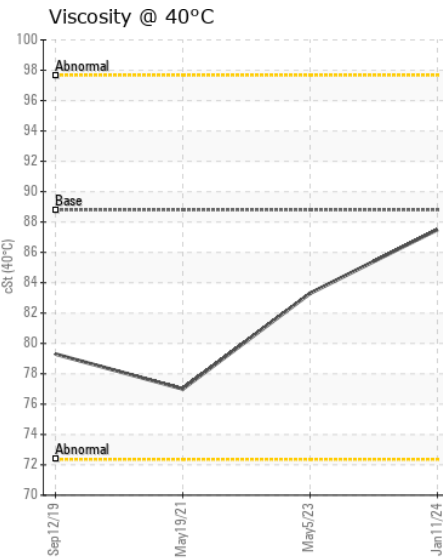
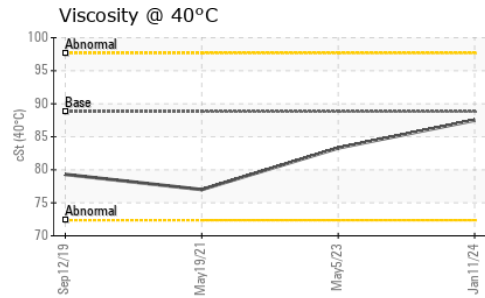
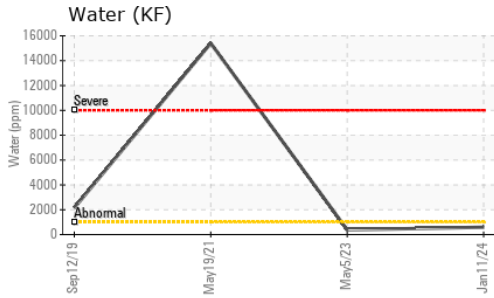
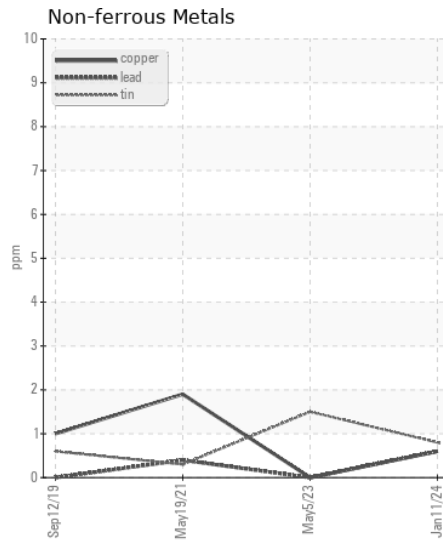
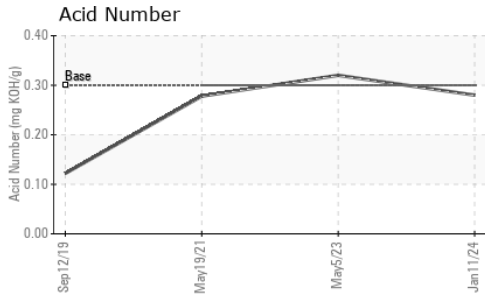
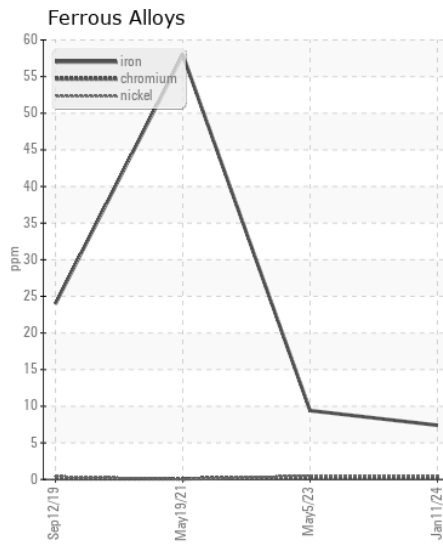
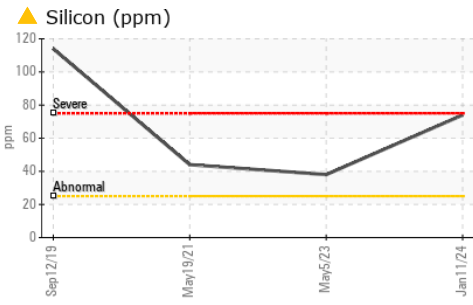
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN37209	AN24190	AN36790
Sample Date		Client Info		11 Jan 2024	05 May 2023	19 May 2021
Machine Age	hrs	Client Info		4832	3633	1799
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	SEVERE

Iron	ppm	ASTM D5185m	>50	7	9	▲ 58
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	6	0	<1
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	<1	0	2
Tin	ppm	ASTM D5185m	>15	<1	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	▲ 74	38	▲ 44
Potassium	ppm	ASTM D5185m	>20	<1	1	1
Water	%	ASTM D6304	>0.1	0.059	0.037	● 1.54
ppm Water	ppm	ASTM D6304	>1000	592	378.2	● 15400
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ HAZY	NORML	▲ HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	● 0.2%

Sodium	ppm	ASTM D5185m		0	4	107
Boron	ppm	ASTM D5185m		0	0	12
Barium	ppm	ASTM D5185m		13	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	1
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m		961	1028	1299
Zinc	ppm	ASTM D5185m		0	0	99
Sulfur	ppm	ASTM D5185m		475	391	0
Acid Number (AN)	mg KOH/g	ASTM D8045	0.3	0.28	0.32	0.278
Visc @ 40°C	cSt	ASTM D445	88.8	87.5	83.3	77.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN37209
Lab Number : 06086120
Unique Number : 10873565
Test Package : IND 2
Received : 12 Feb 2024
Tested : 14 Feb 2024
Diagnosed : 14 Feb 2024 - Jonathan Hester

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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)