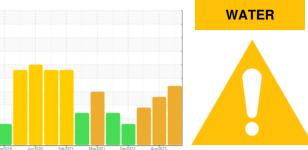


# **OIL ANALYSIS REPORT**



Machine Id

VILTER B Component Compressor Fluid SYNTHX 3100 (--- GAL)

### DIAGNOSIS

### A Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal.

#### Fluid Condition

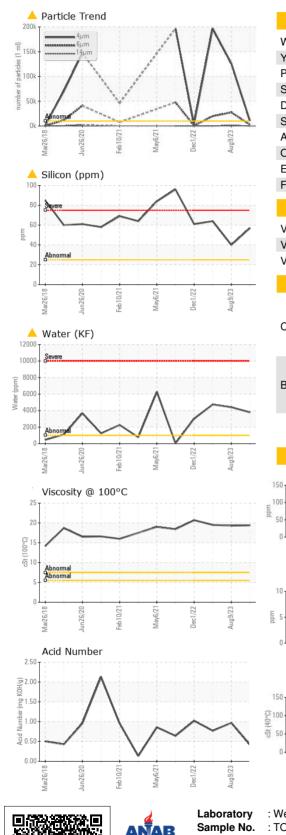
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60002189	TO60001323	TO60000430
Sample Date		Client Info		12 Jun 2024	09 Aug 2023	19 Jul 2023
Machine Age	days	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	Filtered	Filtered
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	3	6
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		1	5	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		2	4	0
Zinc	ppm	ASTM D5185m		1	0	0
Sulfur	ppm	ASTM D5185m		11924	11990	15649
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<u> </u>	<b>4</b> 0	<b>6</b> 4
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	1	1	<1
Water	%	ASTM D6304	>0.1	<b>A</b> 0.379	0.440	0.473
ppm Water	ppm	ASTM D6304	>1000	<b>A</b> 3798	4407.7	4736.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>e</b> 10363	126390	▲ 196882
Particles >6µm		ASTM D7647		<u> </u>	<u> </u>	<u> </u>
Particles >14µm		ASTM D7647	>320	59	<b>1</b> 153	74
Particles >21µm		ASTM D7647	>80	6	<u> </u>	16
Particles >38µm		ASTM D7647	>20	0	4	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>A</b> 21/19/13	▲ 24/22/17	▲ 25/21/13
FLUID DEGRADA		method	limit/base	current	history1	history2

Contact/Location: BILL PALMER - MELMELTX Page 1 of 2

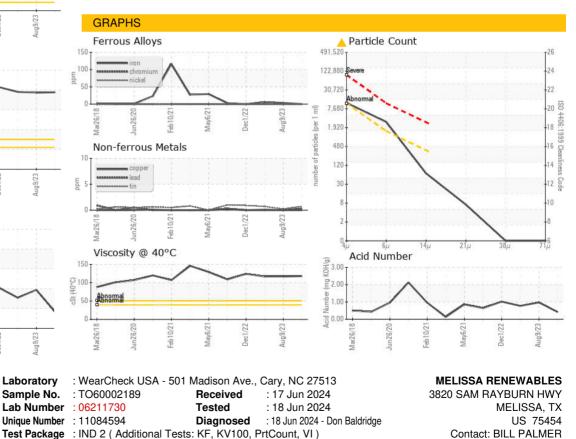


# **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
Debris	scalar	*Visual	NONE	NONE	LIGHT	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		118	117	117
Visc @ 100°C	cSt	ASTM D445		19.4	19.3	19.5
Viscosity Index (VI)	Scale	ASTM D2270		186	186	189
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color					J	
						(a)

Bottom



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)

Report Id: MELMELTX [WUSCAR] 06211730 (Generated: 06/22/2024 01:22:01) Rev: 1

Certificate 12367

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