

OIL ANALYSIS REPORT

Sample Rating Trend

WATER

Machine Id FRICK NEW Component Compressor

Fluid Compressor Oil (--- GAL)

DIAGNOSIS

Recommendation

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 moderate amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

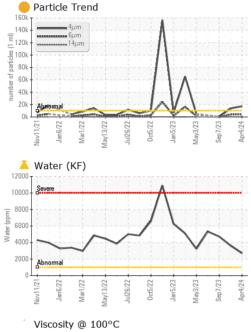
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

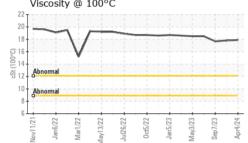
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60002362	TO60001069	TO60001084
Sample Date		Client Info		04 Apr 2024	02 Oct 2023	07 Sep 2023
Machine Age	hrs	Client Info		19865	19865	19277
Oil Age	hrs	Client Info		6348	6936	7695
Oil Changed		Client Info		Oil Added	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	<1	6	0
Lead	ppm	ASTM D5185m	>65	<1	0	0
Copper	ppm		>65	0	0	0
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		2	0	7
Phosphorus	ppm	ASTM D5185m		5	0	7
Zinc	ppm	ASTM D5185m		<1	0	6
Sulfur	ppm	ASTM D5185m		1917	3205	3508
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	14	8	4
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water	%	ASTM D6304	>0.1	<u> </u>	0.362	▲ 0.472
ppm Water	ppm	ASTM D6304	>1000	A 2702	▲ 3627.4	4720.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	0 17183	13901	330
Particles >6µm		ASTM D7647	>2500	<mark> </mark> 4284	4039	122
Particles >14µm		ASTM D7647	>320	199	236	24
Particles >21µm		ASTM D7647		39	80	8
Particles >38µm		ASTM D7647	>20	1	1	0
		ASTM D7647	>4	0	0	0
Particles >71µm						
Particles >71µm Oil Cleanliness		ISO 4406 (c)	>20/18/15	<mark>)</mark> 21/19/15	21/19/15	16/14/12
	TION	ISO 4406 (c) method	>20/18/15 limit/base	21/19/15 current	21/19/15 (istory1)	16/14/12 history2

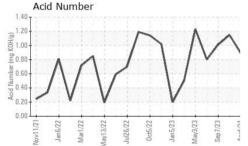
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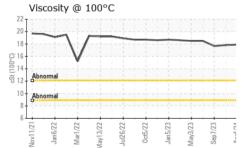


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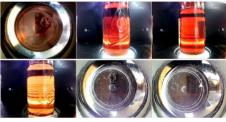


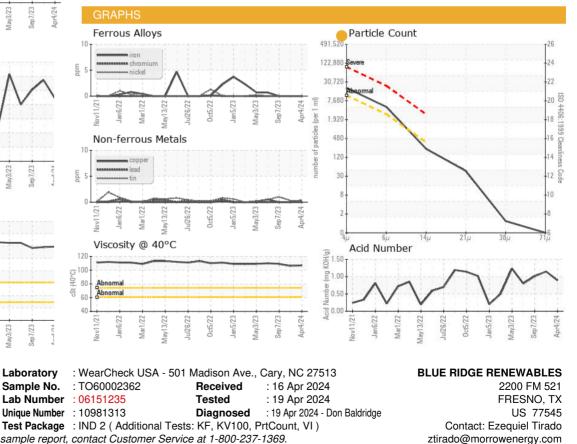






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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		107	106	109
Visc @ 100°C	cSt	ASTM D445		17.9	17.8	17.67
Viscosity Index (VI)	Scale	ASTM D2270		185	185	179
SAMPLE IMAGES	3	method	limit/base	current	history1	history2





To discuss this sample report, contact Customer Service at 1-800-237-1369.

Color

Bottom

* - 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)

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