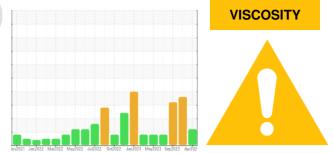


# **OIL ANALYSIS REPORT**

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



history1

current

history2

Machine Id

Component Compressor

Fluid SUMMIT NGP-150 (--- GAL)

### DIAGNOSIS

## 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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

# Wear

All component wear rates are normal.

#### Contamination

Moderate concentration of visible dirt/debris present in the oil.

### Fluid Condition

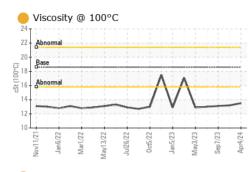
Viscosity of sample indicates oil is within ISO 100 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

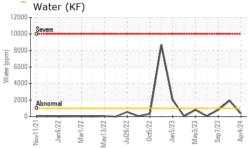
Sample Number		Client Info		TO60002361	TO60001068	TO60001085
Sample Date		Client Info		04 Apr 2024	02 Oct 2023	07 Sep 2023
Machine Age	hrs	Client Info		33505	29125	28510
Oil Age	hrs	Client Info		19014	19629	20300
Oil Changed		Client Info		Oil Added	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m		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	0	<1	0
Lead	ppm	ASTM D5185m	>65	0	0	0
Copper	ppm	ASTM D5185m		0	0	0
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m	210	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm		line it /le e e e	-	-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	0	2
Phosphorus	ppm	ASTM D5185m		52	54	65
Zinc	ppm	ASTM D5185m		0	0	4
Sulfur	ppm	ASTM D5185m		1666	1627	2197
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	18	13	11
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	0	3	2
Water	%	ASTM D6304	>0.1	0.034	<b>0</b> .194	0.083
ppm Water	ppm	ASTM D6304	>1000	347	<b>1</b> 940	830
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		<b>A</b> 230639	▲ 30793
Particles >6µm		ASTM D7647	>2500		▲ 86333	▲ 6955
Particles >14µm		ASTM D7647	>320		75	188
Particles >21µm		ASTM D7647	>80		13	24
Particles >38µm		ASTM D7647	>20		1	1
Particles >71µm		ASTM D7647	>4		0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15		▲ 25/24/13	▲ 22/20/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.50	0.521	0.60
· /	J J					

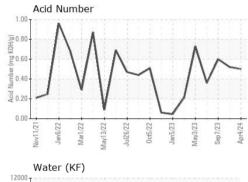
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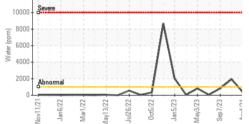


# **OIL ANALYSIS REPORT**



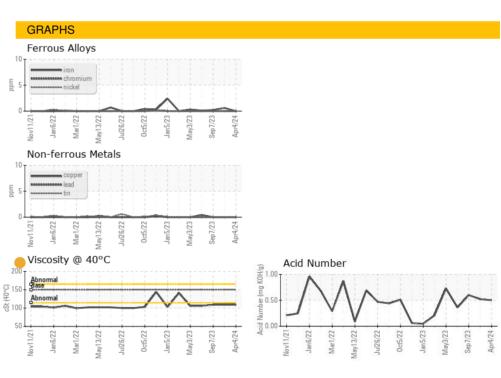


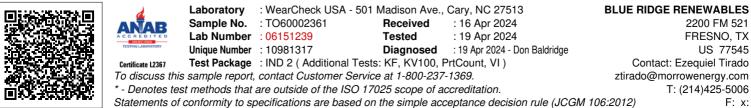




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	🔺 MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	A MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	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	0.2%	0.2%
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	<b>e</b> 109	09	0109
Visc @ 100°C	cSt	ASTM D445	18.6	<mark> </mark> 13.5	13.2	13.11
Viscosity Index (VI)	Scale	ASTM D2270	140	121	117	115
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom





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