

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Component Screw Compressor

Fluid

CHEVRON CETUS ELITESYN NG 100 (300 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

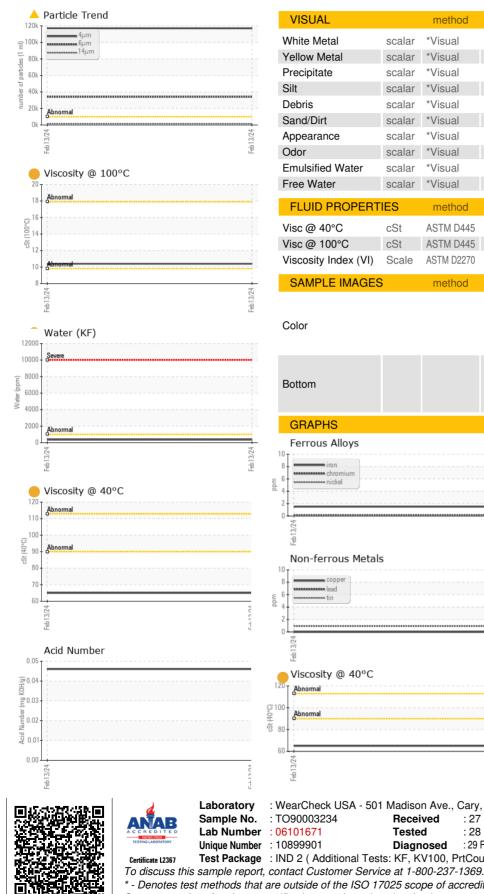
Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003234		
Sample Date		Client Info		13 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	2		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>10	0		
		ASTM D5185m	>30	0		
Copper Tin	ppm			-		
	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		11		
Phosphorus	ppm	ASTM D5185m		9		
Zinc	ppm	ASTM D5185m		4		
Sulfur	ppm	ASTM D5185m		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.1	0.035		
ppm Water	ppm	ASTM D6304	>1000	353		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 117036		
Particles >6µm		ASTM D7647	>2500	<u> </u>		
Particles >14µm		ASTM D7647	>320	🔺 1661		
Particles >21µm		ASTM D7647	>80	<u> </u>		
Particles >38µm		ASTM D7647	>20	5		
Particles >71µm		ASTM D7647	>4	0		
-		ISO 4406 (c)	>20/18/15	4 24/22/18		
Oil Cleanliness		()				
Oil Cleanliness FLUID DEGRADA		method	limit/base	current	history1	history2



OIL ANALYSIS REPORT



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n-ferrous Metals					
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n-ferrous Metals					
copper		122,88	U Severe		-24
copper		30,72			-22
copper		7,68	Abnormal		-20
copper		Feb 13/24 (per 1 ml	0	<pre></pre>	10
copper		les (p+			-10
		Feb 13/24 Feb 13/24 88 75.1 er of particles (per 1 mJ)	0	.)	-16
tin tin		to 12	0-		-18 -16 -14
		ump ,	0		-12
			8-		-10
		3/24	2-		
		Feb 13/24	0		
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		Feb 13/24	Feb 13/24		
		Fet	Fet		1
Check USA - 501 Madi 003234 Rec 671 Tes 9901 Dia (Additional Tests: KF) Contents		v, NC 27513 7 Feb 2024	KI	NETIK HOLDING BA	GS - DIAMON 1964 FM 290 LMORHEA, T

* - 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)