

OIL ANALYSIS REPORT

Area **UTILITIES** [98903486] GSC-1

Screw Compressor

Fluid **INGERSOLL-RAND TURBOBLEND 46 (--- GAL**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable.

Fluid Condition

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

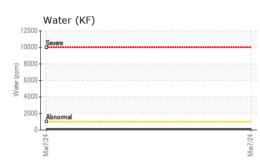
AL)				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0098816		
Sample Date		Client Info		07 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	1		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>5	1		
_ead	ppm	ASTM D5185m	>10	1		
Copper	ppm	ASTM D5185m	>30	<1		
г. Гin	ppm	ASTM D5185m	>15	1		
/anadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Nolybdenum	ppm	ASTM D5185m		<1		
Vanganese	ppm	ASTM D5185m		<1		
Vagnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		3		
Phosphorus	ppm	ASTM D5185m		2		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.1	0.009		
opm Water	ppm	ASTM D6304	>1000	92		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	530		
Particles >6µm		ASTM D7647	>320	49		
Particles >14µm		ASTM D7647	>80	4		
Particles >21µm		ASTM D7647	>20	1		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>17/15/13	16/13/9		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.014		
	-					

Sample Rating Trend

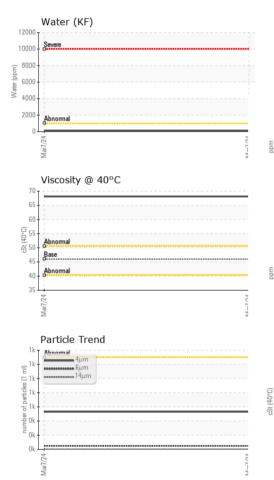
NORMAL

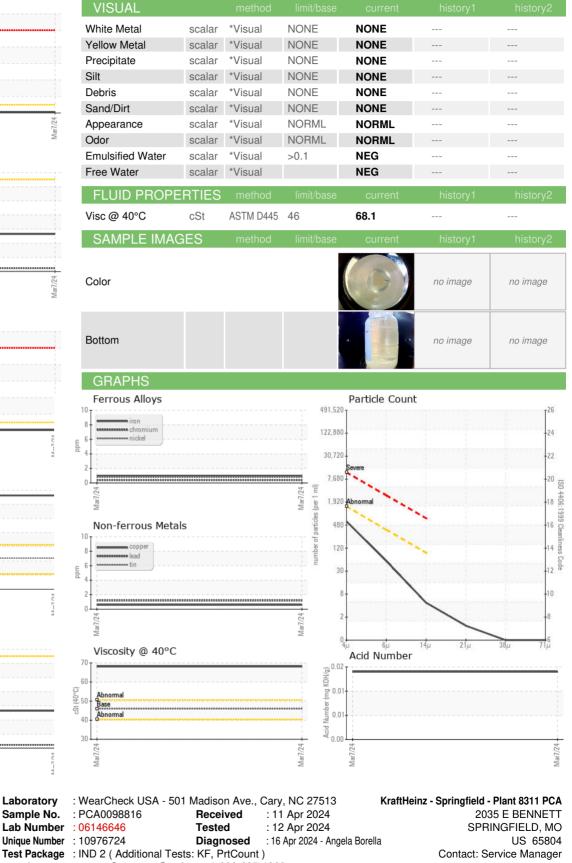


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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

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Certificate 12367

Laboratory

Sample No.

Contact/Location: Service Manager - KRASPRMO

T:

F: