

RNG Machine Id C251A Vacuum Compressor

Screw Compressor

COMPRESSOR OIL ISO 68 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.



All component wear rates are normal.

CONTAMINATION

There is a moderate amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a light concentration of water present in the oil.

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FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0886358	TWC000008	WC0886397
Sample Date		Client Info		25 Jun 2024	31 May 2024	02 May 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>60	35	26	18
Chromium	ppm	ASTM D5185m	>4	5	3	1
Nickel	ppm	ASTM D5185m		2	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	1	0	2
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>30	1	2	1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	0000	ASTM D5185m	>50	65	4 170	4 117
	ppm			▲ 65 0	▲ 173 0	▲ 117 2
Potassium Water	ppm %	ASTM D5185m ASTM D6304	>20 >0.1	0.106	0.078	∠ 0.155
		ASTM D6304 ASTM D6304	>1000	▲ 1060	780	▲ 1550
ppm Water Particles >4µm	ppm	ASTM D6304 ASTM D7647	>1000	4698	760	1749
Particles >4µm		ASTM D7647 ASTM D7647	>2500	2559		953
Particles >14µm		ASTM D7647 ASTM D7647	>320	436		162
Particles >21µm		ASTM D7647		147		55
Particles >38µm		ASTM D7647	>20	23		8
Particles >71µm		ASTM D7647	>4	2		1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	- 19/19/16		18/17/15
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	0.2%	▲ 0.2%
Sodium	ppm	ASTM D5185m		4	7	5
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	<1	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	<1
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	5	1	0	1
Calcium	ppm	ASTM D5185m	5	9	9	11
Phosphorus	ppm	ASTM D5185m	150	70	65	65
Zinc	ppm	ASTM D5185m	5	4	0	7
Sulfur	ppm	ASTM D5185m	5000	830	1071	853
Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	0.91	0.83	1.10
Vine @ 10°C	0C+	ACTM D445	60	70.0	A 77 6	

Visc @ 40°C cSt ASTM D445 68

WEAR

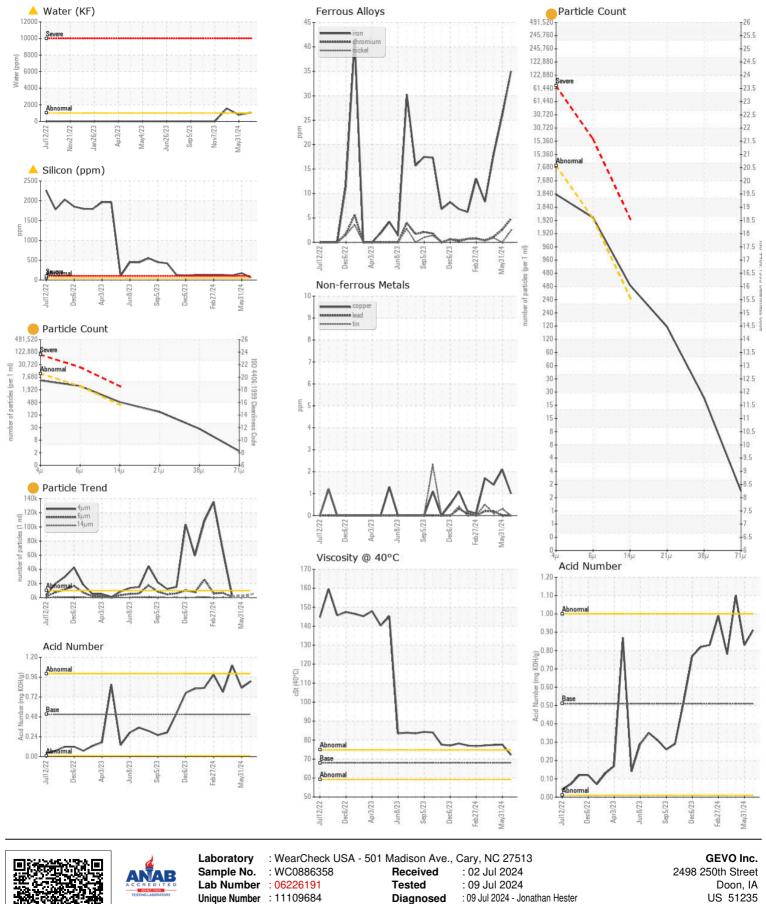
CONTAMINATION

FLUID CONDITION

NORMAL

ABNORMAL NORMAL

72.2 A 77.6 **A** 77.4





Test Package : PLANT 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)

Submitted By: JARRED GILLENWATER Page 2 of 2

Contact: Service Manager