

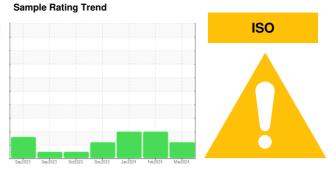
OIL ANALYSIS REPORT



B-02-402 Biogas Blower Drive End

Drive End Compressor

GARDNER DENVER AEON PD (--- GAL)



DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0886369	WC0886378	WC0886390
Sample Date		Client Info		26 Mar 2024	27 Feb 2024	31 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	19	△ 102	△ 105
Chromium	ppm	ASTM D5185m	>10	<1	2	2
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	1
Lead	ppm	ASTM D5185m	>25	<1	1	2
Copper	ppm	ASTM D5185m	>50	3	9	12
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
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	<1
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		3	0	0
Phosphorus	ppm	ASTM D5185m		715	698	679
Zinc	ppm	ASTM D5185m		5	<1	9
Sulfur	ppm	ASTM D5185m		611	817	668
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	17	17
Sodium	ppm	ASTM D5185m	720	0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.1	NEG	NEG	0.055
ppm Water	ppm	ASTM D6304	>1000			550
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	△ 110684	▲ 181416	<u></u> 148785
Particles >6µm		ASTM D7647	>2500	△ 6316	△ 9126	<u>28204</u>
		ASTM D7647	>320	66	36	130
Particles >14µm						
		ASTM D7647	>80	10	9	21
Particles >21μm		ASTM D7647 ASTM D7647	>80 >20	10 0	9	21 6
Particles >21μm Particles >38μm			>20			
Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness		ASTM D7647	>20	0	0	6
Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647	>20 >4	0	0	6 0



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: WC0886369 : 06133287 Unique Number : 10952752 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Mar 2024

Tested : 03 Apr 2024 Diagnosed

2498 250th Street : 03 Apr 2024 - Jonathan Hester Contact: Service Manager

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

 st - 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)

GEVO Inc.

Doon, IA

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US 51235