OIL ANALYSIS REPORT

WMD B-02-402 Biogas Blower Non-Drive End

Non-Drive End Compressor

Fluid GARDNER DENVER AEON PD (--- GAL)

DIAGNOSIS

A Recommendation

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

Wear

Area

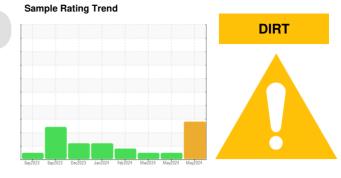
All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

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



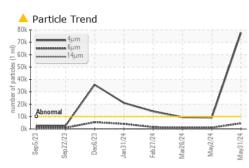
SAMPLE INFORMA	TION	method	limit/base	current	history1	history2	
Sample Number		Client Info		TWC000007	WC0886362	WC0886368	
Sample Date		Client Info		31 May 2024	02 May 2024	26 Mar 2024	
Machine Age	nrs	Client Info		0	0	0	
Oil Age	nrs	Client Info		0	0	0	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				ABNORMAL	NORMAL	NORMAL	
CONTAMINATION		method	limit/base	current	history1	history2	
Water		WC Method	>0.1	NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
lron p	opm	ASTM D5185m	>50	13	4	0	
	opm	ASTM D5185m		0	<1	<1	
	opm	ASTM D5185m		0	0	0	
	opm	ASTM D5185m		0	0	<1	
	opm	ASTM D5185m		0	0	0	
	opm		>25	0	2	3	
	opm	ASTM D5185m	>25	0	<1	<1	
-	opm	ASTM D5185m	>50	9	0	<1	
	opm	ASTM D5185m	>15	ء <1	0	<1	
	opm	ASTM D5185m	- 10	0	0	<1	
	opm	ASTM D5185m		0	0	<1	
[:	~~~						
ADDITIVES		method	limit/base	current	history1	history2	
Boron p	opm	ASTM D5185m		0	0	0	
Barium p	opm	ASTM D5185m		0	0	<1	
Molybdenum p	opm	ASTM D5185m		0	0	0	
•	opm	ASTM D5185m		<1	<1	0	
Magnesium p	opm	ASTM D5185m		0	<1	<1	
Calcium p	opm	ASTM D5185m		3	3	3	
Phosphorus p	opm	ASTM D5185m		730	1126	709	
Zinc p	opm	ASTM D5185m		14	1	3	
Sulfur p	opm	ASTM D5185m		822	1013	588	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon p	opm	ASTM D5185m	>25	4 34	11	6	
Sodium p	opm	ASTM D5185m		0	0	0	
Potassium p	opm	ASTM D5185m	>20	<1	<1	1	
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>10000	<u> </u>	9128	9429	
Particles >6µm		ASTM D7647	>2500	<u> </u>	1091	962	
Particles >14µm		ASTM D7647	>320	55	39	26	
Particles >21µm		ASTM D7647	>80	15	8	8	
Particles >38µm		ASTM D7647	>20	3	2	0	
Particles >71µm		ASTM D7647	>4	1	1	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 23/19/13	20/17/12	20/17/12	
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2	
Acid Number (AN)	ng KOH/g	ASTM D8045		1.09	1.06	1.05	
·59·29) Bev: 1	3.10.18			Submitted By: KYLE HUTCHINSON			

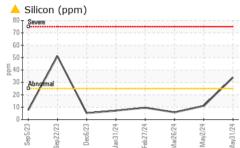
Report Id: GEVDOO [WUSCAR] 06200120 (Generated: 06/07/2024 10:59:29) Rev: 1

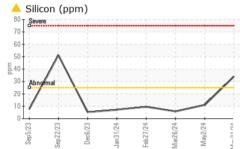
Submitted By: KYLE HUTCHINSON

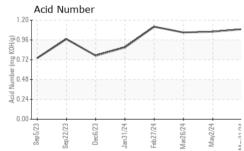


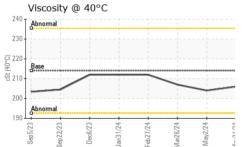
OIL ANALYSIS REPORT







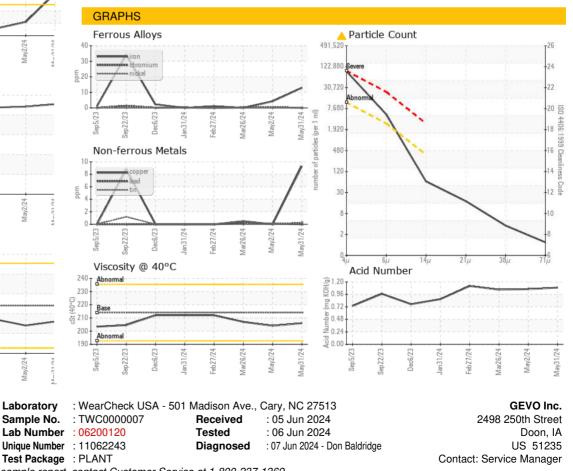






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	214	206	204	207
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						•

Bottom



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) T: F:

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