Fluid-Aire Dynamics

## **OIL ANALYSIS REPORT**

#### Area PG-46 [294189] Machine Id GARDNER DENVER U16980 - VORTER COIL Component

Component Compressor

#### Birteirteete

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### 🛑 Wear

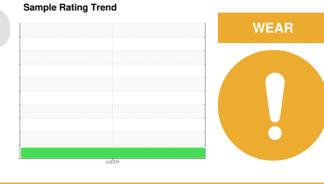
The iron level is abnormal. All other component wear rates are normal.

### Contamination

There is a moderate amount of visible silt present in the sample.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UFD0001926		
Sample Date		Client Info		11 Jul 2024		
Machine Age	hrs	Client Info		25646		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>—</b> 77		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		266		
Zinc	ppm	ASTM D5185m		7		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.69		



80 70

60

50

표 40 30.

20

10

0

0.70

(<sup>0.60</sup>) (<sup>b</sup>/H0,50) E 0.40

문 0.30 0.00

52.

# **OIL ANALYSIS REPORT**

inamics						
Ferrous Alloys			VISUAL		method	limit/b
iron			White Metal	scalar	*Visual	NONE
sassassan nickel			Yellow Metal	scalar	*Visual	NONE
			Precipitate	scalar	*Visual	NONE
			Silt	scalar	*Visual	NONE
			Debris	scalar	*Visual	NONE
			Sand/Dirt	scalar	*Visual	NONE
	Jul11/24		Appearance	scalar	*Visual	NORM
	llul		Odor	scalar	*Visual	NORM
l Number			Emulsified Water	scalar	*Visual	>0.1
			Free Water	scalar	*Visual	
			FLUID PROPER	TIES	method	limit/b
			Visc @ 40°C	cSt	ASTM D445	
			SAMPLE IMAGE	S	method	limit/ba
	Jul11/24		Color			
osity @ 40°C mal			Bottom			
		1				
			GRAPHS			
rormal		8	Ferrous Alloys			
	NCI 11.1	6 6 4 4 2	0 - iron chromium nickel			
			Non-ferrous Meta	ls		Jul11/24
		ш	copper 8 copper			
			2			
			1/24			1/24.

55

50 (40°C)

.45 ŝ

40

35

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)

Laboratory

Sample No.

NONE ١E MODER NE NONE ΝE NONE RML NORML RML NORML NEG NEG 46.4 no image no image no image no image Z/LLI/D Z/L11/Z Viscosity @ 40°C Acid Number (B) (B) /HOX 0.60 ÷ 0.40 Jan 0.20 Abnorm Acid 0.00 Jul11/24 -Jul11/24 Jul11/24 Jul11/24 FLUID-AIRE DYNAMICS : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UFD0001926 225 SPRING LAKE DR Received : 17 Jul 2024 Lab Number : 06239273 Tested : 18 Jul 2024 ITASCA, IL Unique Number : 11128107 Diagnosed : 19 Jul 2024 - Don Baldridge US 60143 Test Package : IND 2 Contact: ED DIENER

NONE

NONE

Report Id: UCFLUSCH [WUSCAR] 06239273 (Generated: 07/21/2024 13:05:40) Rev: 1

Certificate 12367

Contact/Location: ED DIENER - UCFLUSCH

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