

## **OIL ANALYSIS REPORT**

ISO

## Machine Id FES CARCOL 3 (S/N 16567L)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

#### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of silt (particulates < 6 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.

		n2012 Nov20	13 Nov2014 Aug2017	May2019 Jan2021 Jul2022 .	Jul2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012847	USP0005502	USP0003283
Sample Date		Client Info		28 May 2024	03 Feb 2024	07 Nov 2023
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				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>3	<1	0	0
Lead	ppm	ASTM D5185m	>2	<1	0	0
Copper	ppm	ASTM D5185m	>8	0	0	0
Tin	ppm	ASTM D5185m	>4	<1	<1	0
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		<1	0	0
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m		<1	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	3
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	1	1
Water	%	ASTM D6304	>0.01	0.003	0.005	0.001
ppm Water	ppm	ASTM D6304	>100	28	51	12.7
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<mark> </mark> 10635	4781	1985
Particles >6µm		ASTM D7647	>2500	2199	1149	512
Particles >14µm		ASTM D7647	>320	71	33	15
Particles >21µm		ASTM D7647	>80	11	7	3
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>	19/17/12	18/16/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

0.014

Acid Number (AN)

mg KOH/g ASTM D974 0.005

0.016

0.014



(B/HO)

Acid

0.00

250

20

E 150

Nater 100

5

72

70

67

60

5

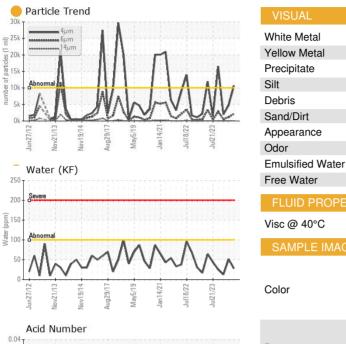
ov19/1

Water (KF)

Viscosity @ 40°C

g29/1

# **OIL ANALYSIS REPORT**





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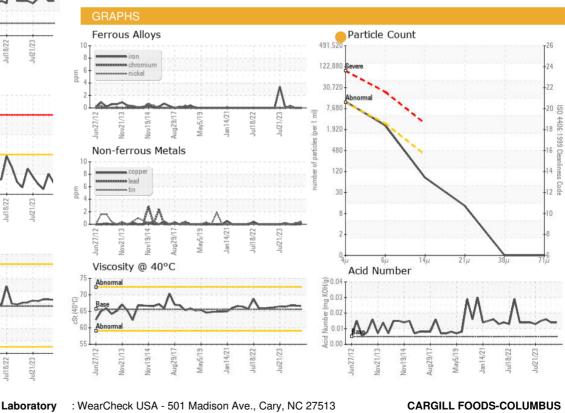
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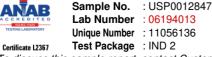


: 29 May 2024

: 30 May 2024

: 31 May 2024 - Doug Bogart





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)

Received

Diagnosed

Tested

Report Id: CARCOLNE [WUSCAR] 06194013 (Generated: 05/31/2024 19:28:14) Rev: 1

Contact/Location: - CARCOLNE Page 2 of 2

T: F:

COLUMBUS, NE

US 68601

Contact: