

OIL ANALYSIS REPORT

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NORMAL

Machine Id

FES CARCOL 10 (S/N AB10130P)

Component 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 no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Fluid Condition

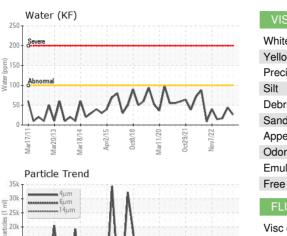
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

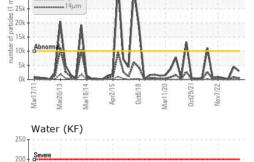
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012846	USP0005499	USP243984
Sample Date		Client Info		29 May 2024	03 Feb 2024	18 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1	0	<1
Chromium	ppm	ASTM D5185m	>2	0	0	0
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	0
Phosphorus	ppm	ASTM D5185m		1	0	1
Zinc	ppm	ASTM D5185m		0	0	<1
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	1	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	%	ASTM D6304	>0.01	0.003	0.004	0.002
ppm Water	ppm	ASTM D6304	>100	26	44	16.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	2992	4540	209
Particles >6µm		ASTM D7647		488	828	42
Particles >14µm		ASTM D7647	>320	22	31	10
Particles >21µm		ASTM D7647		4	9	2
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/16/12	19/17/12	15/13/10
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.013	0.015	0.013

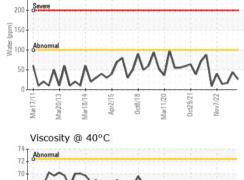
Contact/Location: - CARCOLNE Page 1 of 2

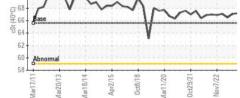


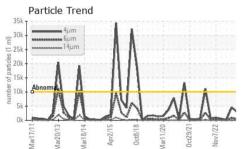
OIL ANALYSIS REPORT











Certificate 12367



GRAPHS Ferrous Alloys Particle Count 491 52 122,88 30.72 20 8 CCILINO **/**lar18/ 1406 Mar17 Der 1,920 6661 Non-ferrous Metals 480 10 120 30 lar11/20 Mar17/1 Viscosity @ 40°C Acid Number 75 (B/HOX Bw) Abr 0.02 Abnorma 0.0 P 0.00 55 Vov7/22 -Mar11/20 Aar20/13 Mar20/13 Aar18/14 Aar11/20 Mar17/1 Aar18/1 1-18/1 Mar17/ Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **CARGILL FOODS-COLUMBUS** Sample No. : USP0012846 Received : 29 May 2024



 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

 Report Id: CARCOLNE [WUSCAR] 06194026 (Generated: 05/31/2024 19:38:07) Rev: 1
 Contact/L

Lab Number

Unique Number : 11056149

Test Package : IND 2

: 06194026

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.

Contact/Location: - CARCOLNE

: 30 May 2024 : 31 May 2024 - Doug Bogart

Tested

Diagnosed

COLUMBUS, NE

US 68601

Contact:

T:

F: