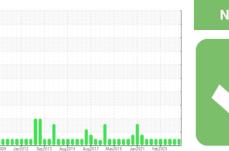


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FES CARCOL 5 (S/N 19L61L)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

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.

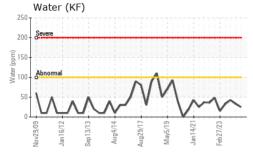
Fluid Condition

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

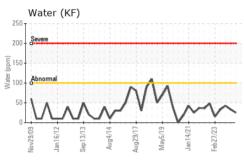
		v2009 Jan20	12 Sep2013 Aug2014	Aug2017 May2019 Jan2021 F	eb 2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012844	USP0005497	USP0001710
Sample Date		Client Info		29 May 2024	01 Feb 2024	02 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	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	0	0	0
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	0	0	<1
Lead	ppm	ASTM D5185m	>2	<1	0	0
Copper	ppm	ASTM D5185m	>8	0	0	<1
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	<1
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	4	4
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water	%	ASTM D6304	>0.01	0.002	0.003	0.004
ppm Water	ppm	ASTM D6304		25	33	42.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	737	1865	2549
Particles >6µm		ASTM D7647	>2500	135	399	443
Particles >14µm		ASTM D7647	>320	7	16	22
Particles >21µm		ASTM D7647	>80	2	3	7
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/14/10	18/16/11	19/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.015	0.013

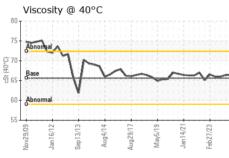


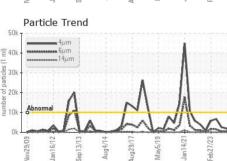
OIL ANALYSIS REPORT

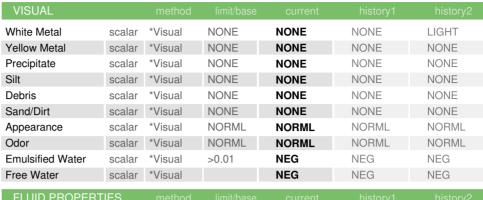


10k		m m um				1	
30k + 20k + Abn	omal	Δ		1			
Ok L	لم	1	پ	4	1	沙	√
Nov29/09	Jan 16/12	Sep13/13	Aug4/14	Aug29/1	May5/19	Jan 14/2	Feb27/23









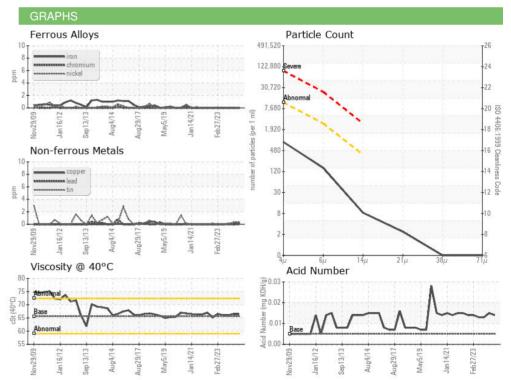
T LOID T HOT LITTILO							
Visc @ 40°C	cSt	ASTM D445	65.6	66.4	66.4	66.0	

SAMPLE IMAGES

Color

Bottom









Certificate 12367

Laboratory Sample No.

Lab Number : 06194024 Unique Number : 11056147

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0012844

Received **Tested** Diagnosed

: 29 May 2024 : 30 May 2024 : 31 May 2024 - Doug Bogart

COLUMBUS, NE US 68601 Contact:

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)

CARGILL FOODS-COLUMBUS

T:

F: