

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FES N6 FES B1 (S/N 98437047)

Component Refrigeration Compressor

FES 2 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

		n2012 May201	3 Nov2014 Mar2016 Ma	y2017 Nov2018 Dec2019 Aug2021	0ct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006544	USP230613	USP243329
Sample Date		Client Info		20 Apr 2024	23 Jan 2024	27 Oct 2023
Machine Age	hrs	Client Info		51789	50877	49688
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	30	27	21
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	0
Lead	ppm	ASTM D5185m	>2	<1	0	<1
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	<1	0	<1
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	<1	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		0	1	1
Phosphorus	ppm	ASTM D5185m		0	0	1
Zinc	ppm	ASTM D5185m		0	3	0
Sulfur	ppm	ASTM D5185m		0	4	13
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7	7	6
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.01	0.003	0.001	0.003
ppm Water	ppm	ASTM D6304	>100	32	12	36.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	7358	<u>22787</u>	1192
Particles >6µm		ASTM D7647	>2500	547	2020	211
Particles >14µm		ASTM D7647	>320	13	16	7
Particles >21µm		ASTM D7647	>80	3	4	2
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/16/11	<u>^</u> 22/18/11	17/15/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.055	0.094	0.027



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Certificate 12367

Laboratory

Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006544 : 06160434

Unique Number : 10995857

Test Package : IND 2

Tested Diagnosed

: 30 Apr 2024 - Doug Bogart

Received

: 25 Apr 2024

: 26 Apr 2024

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)

JACOBS TECHNOLOGIES

ALLEN PARK, MI US

Contact:

T:

F:

Report Id: JACALL [WUSCAR] 06160434 (Generated: 05/04/2024 05:16:28) Rev: 1

Contact/Location: ? ? - JACALL