

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

FES N7 FES B2 (S/N 98437042) Component

Refrigeration Compressor FES 2 (--- 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 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.

12	Ē	eb20	14	Feb	2015	Ma	r2016	May	2017	Auc	2018	Sep 2	019	Jan 20	121	Aug2l	DŹZ	Aua2	023
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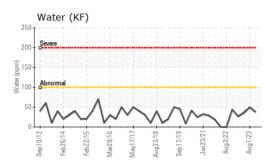
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP243351	USP243352	USP243353
Sample Date		Client Info		27 Oct 2023	01 Aug 2023	04 May 2023
Machine Age	hrs	Client Info		91610	90443	90078
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	9	9	9
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	<1	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	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		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	1	<1
Calcium	ppm	ASTM D5185m		1	0	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		4	0	0
Sulfur	ppm	ASTM D5185m		0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7	7	8
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water	%	ASTM D6304	>0.01	0.003	0.004	0.003
ppm Water	ppm	ASTM D6304	>100	37.3	49.3	36.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	4086	2087	1523
Particles >6µm		ASTM D7647	>2500	640	396	134
Particles >14µm		ASTM D7647	>320	6	11	4
Particles >21µm		ASTM D7647	>80	2	4	1
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/16/10	18/16/11	18/14/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.013	0.015	0.031

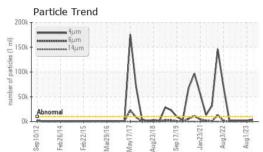


Water (KF)

250

OIL ANALYSIS REPORT







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