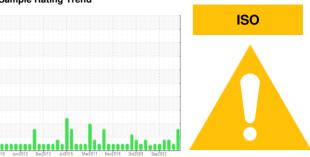


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# FES 5 B (S/N 93008031)

Refrigeration Compressor

**ALL TEMP 717 (--- GAL)** 

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil.

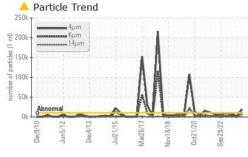
#### **Fluid Condition**

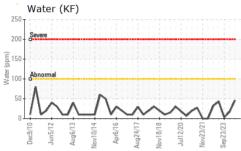
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

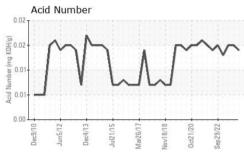
zč010 Junž012 Oec2013 Jul2015 Murž017 Nov2018 Ocz0220 Smp2022										
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2				
Sample Number		Client Info		USP0006559	USP0004662	USP0001831				
Sample Date		Client Info		20 Apr 2024	02 Jan 2024	23 Sep 2023				
Machine Age	hrs	Client Info		28334	27958	25863				
Oil Age	hrs	Client Info		0	0	0				
Oil Changed		Client Info		N/A	N/A	N/A				
Sample Status				ABNORMAL	NORMAL	ATTENTION				
WEAR METALS		method	limit/base	current	history1	history2				
Iron	ppm	ASTM D5185m	>8	<1	<1	<1				
Chromium	ppm	ASTM D5185m	>2	<1	<1	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	1	<1				
Lead	ppm	ASTM D5185m	>2	<1	0	0				
Copper	ppm	ASTM D5185m	>8	<1	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	ррш	method	limit/base	current		history2				
			IIIIIIVDase		history1					
Boron	ppm	ASTM D5185m		0	0	0				
Barium	ppm	ASTM D5185m		0	0	0				
Molybdenum	ppm	ASTM D5185m		<1	0	0				
Manganese	ppm	ASTM D5185m		0	0	<1				
Magnesium	ppm	ASTM D5185m		<1	0	0				
Calcium	ppm	ASTM D5185m		0	<1	0				
Phosphorus	ppm	ASTM D5185m		0	<1	0				
Zinc	ppm	ASTM D5185m		0	0	0				
Sulfur	ppm	ASTM D5185m		0	0	0				
CONTAMINANTS		method	limit/base	current	history1	history2				
Silicon	ppm	ASTM D5185m	>15	<1	0	<1				
Sodium	ppm	ASTM D5185m		<1	0	<1				
Potassium	ppm	ASTM D5185m	>20	<1	1	0				
Water	%	ASTM D6304	>0.01	0.004	0.002	0.001				
ppm Water	ppm	ASTM D6304	>100	46	17	2.6				
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2				
Particles >4µm		ASTM D7647	>10000	<b>19069</b>	1850	8631				
Particles >6µm		ASTM D7647	>2500	<b>6974</b>	496	3367				
Particles >14µm		ASTM D7647	>320	<b>426</b>	27	204				
Particles >21µm		ASTM D7647	>80	55	5	30				
Particles >38µm		ASTM D7647	>20	0	0	1				
Particles >71µm		ASTM D7647	>4	0	0	0				
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 21/20/16	18/16/12	20/19/15				
FLUID DEGRADA	TION	method	limit/base	current	history1	history2				
Acid Number (AN)	mg KOH/g	ASTM D974		0.014	0.015	0.015				

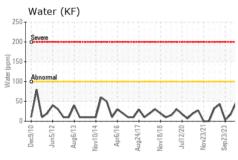


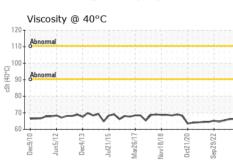
## **OIL ANALYSIS REPORT**











VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
ELLID DDODEDT	150		11 11 11			
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		66.3	66.2	65.4

method

limit/base

current

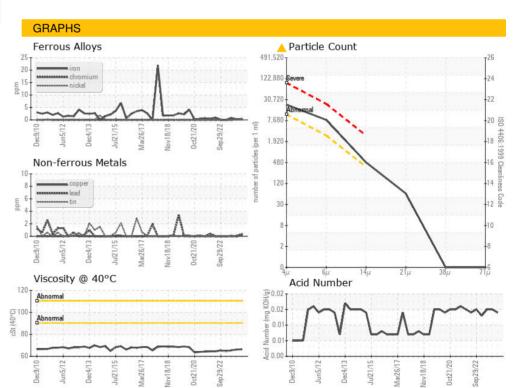
history1

history2

Color

**Bottom** 









Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006559

Lab Number : 06159179 Unique Number : 10994602

Received : 24 Apr 2024 **Tested** Diagnosed

: 25 Apr 2024

: 26 Apr 2024 - Jonathan Hester

Contact: SERVICE MANAGER

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)

Contact/Location: SERVICE MANAGER ? - MILMILMO

**MILAN PROCESSING** 

832 EAST 3RD ST

MILAN, MO

US 63556

T:

F: