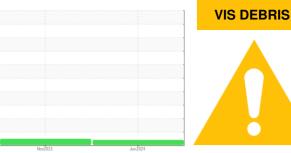


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# HT-503 (S/N J30545)

Refrigeration Compressor

M & M 717 (--- GAL)

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

#### Wear

All component wear rates are normal.

#### Contamination

Moderate concentration of visible dirt/debris present in the oil.

#### **Fluid Condition**

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

			Nov2023	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
			minu bass		,	
Sample Number		Client Info		USP0013037	USP0003849	
Sample Date		Client Info		17 Jun 2024	27 Nov 2023	
Machine Age	hrs	Client Info		26194	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	2	2	
Chromium	ppm	ASTM D5185m	>2	<1	<1	
Nickel	ppm	ASTM D5185m		0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>3	0	<1	
Lead	ppm	ASTM D5185m	>2	0	<1	
Copper	ppm	ASTM D5185m	>8	0	<1	
Tin	ppm	ASTM D5185m	>4	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		<1	0	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m		0	0	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		0	0	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	2	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
Water	%	ASTM D6304	>0.01	0.001	0.001	
ppm Water	ppm	ASTM D6304	>100	13	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		7909	
Particles >6µm		ASTM D7647	>2500		1375	
Particles >14µm		ASTM D7647	>320		20	
Particles >21µm		ASTM D7647	>80		3	
Particles >38µm		ASTM D7647	>20		1	
Particles >71µm		ASTM D7647	>4		0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15		20/18/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A : 1 N	1/011/	4 OTH 4 DOZ4		0.014	0.014	

Acid Number (AN)

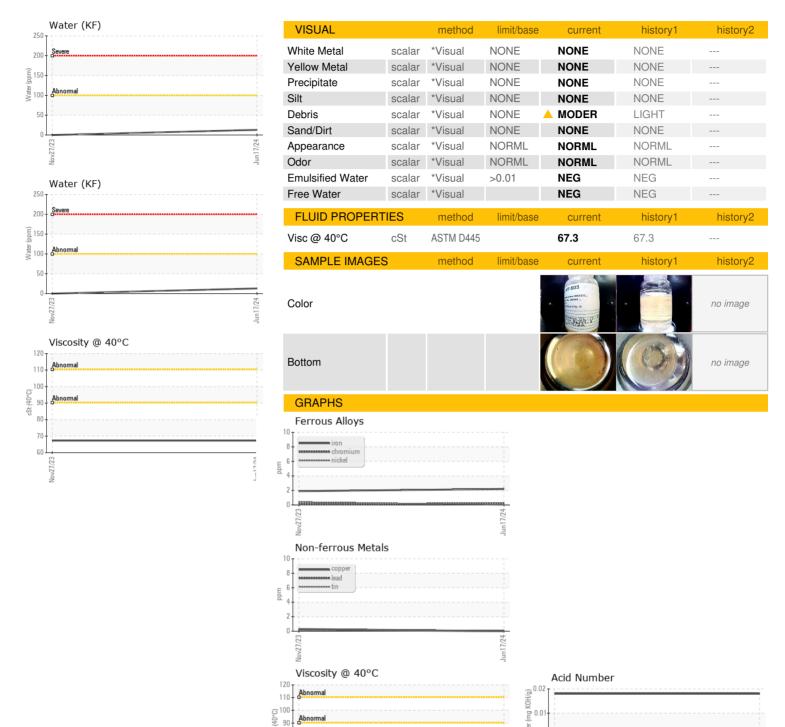
mg KOH/g ASTM D974

0.014

0.014



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: USP0013037 Lab Number : 06221287 Unique Number : 11099484

₹ 80 80

70

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Jun 2024 **Tested** : 28 Jun 2024

Diagnosed : 28 Jun 2024 - Doug Bogart

0.01

Acid

**SMITHFIELD - SIOUX CITY** 

1000 CUNNINGHAM DR SIOUX CITY, IA

US 51106

Contact: D PEARSON

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)

T:

F: