

PROBLEM SUMMARY

Sample Rating Trend



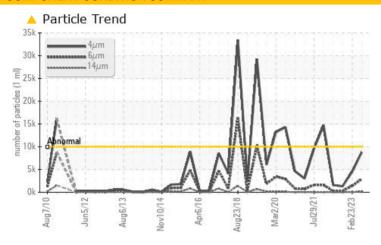
Machine Id **4 B**

Component

Refrigeration Compressor

ALL TEMP 717 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status			ATTENTION	NORMAL	NORMAL					
Particles >6μm	ASTM D7647	>2500	<u> </u>	1388	260					
Oil Cleanliness	ISO 4406 (c)	>20/18/15	20/19/14	19/18/13	18/15/11					

Customer Id: MILMILMO Sample No.: USP0001833 Lab Number: 05963633 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

23 Feb 2023 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



29 Sep 2022 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



30 Mar 2022 Diag: Doug Bogart

NORMAL



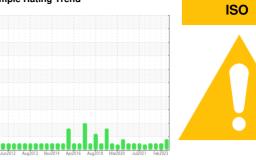
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 4 B

Component

Refrigeration Compressor

ALL TEMP 717 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

g2010 Jun2012 Aug2013 Nov2014 App2016 Aug2018 Mar2020 Jul2021 Feb2023								
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		USP0001833	USP250546	USP239529		
Sample Date		Client Info		23 Sep 2023	23 Feb 2023	29 Sep 2022		
Machine Age	hrs	Client Info		47039	0	0		
Oil Age	hrs	Client Info		0	0	0		
Oil Changed		Client Info		N/A	N/A	N/A		
Sample Status				ATTENTION	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		0	0	0		
Silver	ppm	ASTM D5185m	>2	0	0	0		
Aluminum	ppm	ASTM D5185m	>3	<1	0	0		
Lead	ppm	ASTM D5185m	>2	0	0	0		
Copper	ppm	ASTM D5185m	>8	<1	0	0		
Tin	ppm	ASTM D5185m	>4	0	0	0		
Vanadium	ppm	ASTM D5185m		0	0	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		<1	0	0		
Magnesium	ppm	ASTM D5185m		0	0	0		
Calcium	ppm	ASTM D5185m		0	0	0		
Phosphorus	ppm	ASTM D5185m		0	0	1		
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	0		
Sodium	ppm	ASTM D5185m		<1	0	0		
Potassium	ppm	ASTM D5185m	>20	0	0	0		
Water	%	ASTM D6304	>0.01	0.001	0.002	0.004		
ppm Water	ppm	ASTM D6304	>100	2.8	20.6	42.5		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>10000	8782	4518	1326		
Particles >6µm		ASTM D7647	>2500	<u>^</u> 2914	1388	260		
Particles >14μm		ASTM D7647	>320	131	52	14		
Particles >21µm		ASTM D7647	>80	22	9	3		
Particles >38μm		ASTM D7647	>20	0	0	0		
Particles >71μm		ASTM D7647	>4	0	0	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 20/19/14	19/18/13	18/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D974		0.015	0.013	0.015		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

Test Package

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0001833

Received : 05963633 : 10670184

: 29 Sep 2023 Diagnosed Diagnostician : Doug Bogart

: 28 Sep 2023

MILAN PROCESSING

832 EAST 3RD ST MILAN, MO US 63556

Contact: SERVICE MANAGER

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: IND 2

* - 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: