

PROBLEM SUMMARY

Sample Rating Trend

v2007 Sep2011 Dec2013 May2016 Feb7018 Liu7019 Lev2022 Liu7022

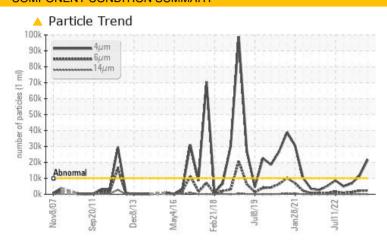


MYCOM TYSCMIS C-19 (S/N 2552784)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status			ABNORMAL	ATTENTION	NORMAL			
Particles >4µm	ASTM D7647	>10000	<u> </u>	<u>11731</u>	6784			
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u>22/18/12</u>	<u> </u>	20/18/11			

Customer Id: TYSCARMS Sample No.: USP0003253 Lab Number: 05999926 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

26 Jun 2023 Diag: Doug Bogart

ISO



Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



01 Apr 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.



07 Dec 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

MYCOM TYSCMIS C-19 (S/N 2552784)

Component

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 6 microns in size) present in the oil.

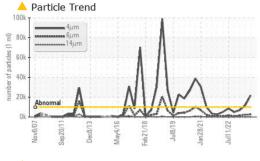
Fluid Condition

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

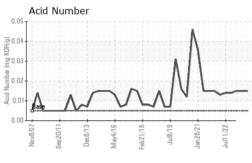
		v2007 Sep20	11 Dec2013 May2016	Feb2018 Jul2019 Jan2021 .	Jul2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0003253	USP247383	USP249674
Sample Date		Client Info		05 Nov 2023	26 Jun 2023	01 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	17	14	10
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	0	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	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		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		<1	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	10	0	0
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water	%	ASTM D6304	>0.01	0.007	0.009	0.008
ppm Water	ppm	ASTM D6304	>100	73.4	92.2	88.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	<u> </u>	<u>▲</u> 11731	6784
Particles >6µm		ASTM D7647	>2500	2384	2293	1326
Particles >14μm		ASTM D7647	>320	25	41	20
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	<u>22/18/12</u>	<u>\$\lambda\$\$ 21/18/13</u>	20/18/11
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.015	0.015	0.015

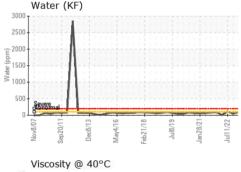


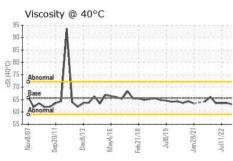
OIL ANALYSIS REPORT

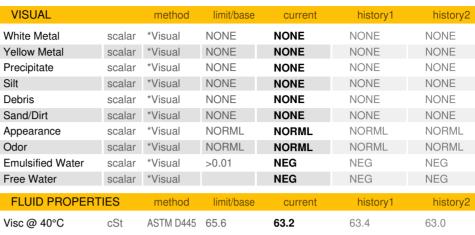


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SAMPLE IMAGES

method

limit/base

current

history2 history1

Bottom

Color

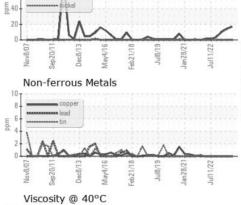


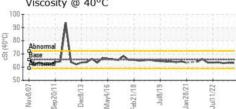


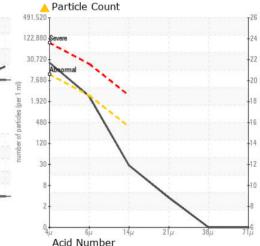




Ferrous Alloys







Acid Number (B/0.05 XOH/0.04 €0.03 흘 0.02 0.0



Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05999926

: USP0003253 : 10728286

Received Diagnosed Diagnostician

: 06 Nov 2023 : 07 Nov 2023 : Doug Bogart **TYSON -CARTHAGE MS-USP**

CARTHAGE, MS US 75633

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)

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