

PROBLEM SUMMARY

Sample Rating Trend

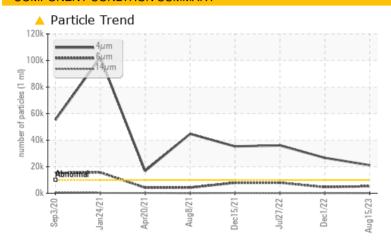
ISO

ER1 HSSC-15 (S/N S1044RFMPLHAA03)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TE	ST RESULTS				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>10000	<u> </u>	<u>^</u> 26650	<u></u> ∆ 36033
Particles >6µm	ASTM D7647	>2500	5275	4599	△ 7956
Oil Cleanliness	ISO 4406 (c)	>20/18/15	22/20/14	22/19/14	22/20/14

Customer Id: AMEOMA Sample No.: USP0000617 Lab Number: 05926160 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

01 Dec 2022 Diag: Doug Bogart

ISO



Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 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.



27 Jul 2022 Diag: Doug Bogart

150



Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 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.



15 Dec 2021 Diag: Doug Bogart

ISO



Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 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.





OIL ANALYSIS REPORT

Sample Rating Trend



ER1 HSSC-15 (S/N S1044RFMPLHAA03)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high 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.

Sep2020 Jan2021 App2021 Dec2021 Jul2022 Dec2022 App2023								
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		USP0000617	USP247970	USP240313		
Sample Date		Client Info		15 Aug 2023	01 Dec 2022	27 Jul 2022		
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	ABNORMAL	ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>8	0	0	<1		
Chromium	ppm	ASTM D5185m	>2	0	0	0		
Nickel	ppm	ASTM D5185m		<1	0	0		
Titanium	ppm	ASTM D5185m		0	0	0		
Silver	ppm	ASTM D5185m	>2	0	0	<1		
Aluminum	ppm	ASTM D5185m	>3	0	0	<1		
Lead	ppm	ASTM D5185m	>2	0	0	<1		
Copper	ppm	ASTM D5185m	>8	<1	0	0		
Tin	ppm	ASTM D5185m	>4	0	0	0		
Antimony	ppm	ASTM D5185m						
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		<1	0	0		
Molybdenum	ppm	ASTM D5185m		0	0	<1		
Manganese	ppm	ASTM D5185m		0	0	0		
Magnesium	ppm	ASTM D5185m		0	0	0		
Calcium	ppm	ASTM D5185m		0	0	0		
Phosphorus	ppm	ASTM D5185m		0	0	0		
Zinc	ppm	ASTM D5185m		<1	0	0		
Sulfur	ppm	ASTM D5185m	50	0	0	7		
CONTAMINANTS	3	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	<1	<1	0		
Sodium	ppm	ASTM D5185m		0	0	0		
Potassium	ppm	ASTM D5185m	>20	<1	0	<1		
Water	%	ASTM D6304	>0.01	0.004	0.003	0.004		
ppm Water	ppm	ASTM D6304	>100	43.7	26.8	46.3		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4μm		ASTM D7647	>10000	<u> </u>	<u>^</u> 26650	▲ 36033		
Particles >6µm		ASTM D7647	>2500	<u> </u>	△ 4599	<u></u> 7956		
Particles >14µm		ASTM D7647	>320	83	150	155		
Particles >21µm		ASTM D7647	>80	6	27	16		
Particles >38µm		ASTM D7647	>20	0	1	0		
Particles >71μm		ASTM D7647	>4	0	0	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/20/14</u>	<u>22/19/14</u>	<u>22/20/14</u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		

Acid Number (AN)

mg KOH/g ASTM D974 0.005

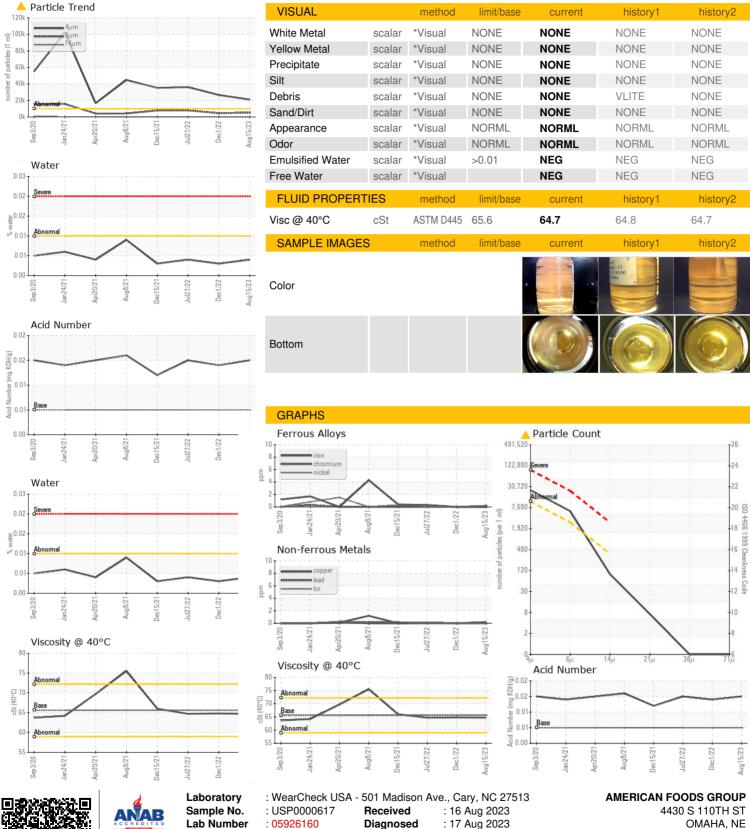
0.014

Report Id: AMEOMA [WUSCAR] 05926160 (Generated: 08/17/2023 14:45:00) Rev: 1

Contact/Location: Service Manager - AMEOMA



OIL ANALYSIS REPORT







Certificate L2367

Lab Number **Unique Number**

: 05926160

: 10606107 Test Package : IND 2

: 17 Aug 2023 Diagnosed

Diagnostician : Doug Bogart US 68137

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)

T: F: