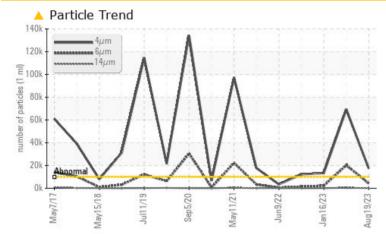


PROBLEM SUMMARY

Machine Id H-4 (S/N 02416-010-1-01-01)

Refrigeration Compressor Fluid USPI 1009-68 SC (--- QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ATTENTION	ABNORMAL	ATTENTION				
Particles >4µm	ASTM D7647	>10000	<u> </u>	▲ 69347	🔺 13343				
Particles >6µm	ASTM D7647	>2500	4292	a 20183	2276				
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u> </u>	▲ 23/22/16	🔺 21/18/13				

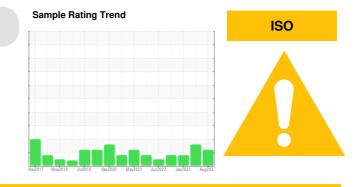
Customer Id: CARFORTEX Sample No.: USP0000549 Lab Number: 05928826 Test Package: IND 2



To manage this report scan the QR code

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

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

03 May 2023 Diag: Doug Bogart



We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

16 Jan 2023 Diag: Doug Bogart

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.

15 Sep 2022 Diag: Doug Bogart



to dep 2022 Blug. Boug Boguit

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.



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Report Id: CARFORTEX [WUSCAR] 05928826 (Generated: 08/21/2023 21:09:09) Rev: 1



OIL ANALYSIS REPORT

SIS REPORT SIS REPORT SAMPLE INFORMATION method limit/base current history1 history2

Sample Rating Trend

Machine Id H-4 (S/N 02416-010-1-01-01) Component

Refrigeration Compressor

USPI 1009-68 SC (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

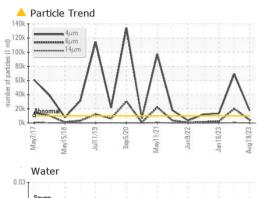
Fluid Condition

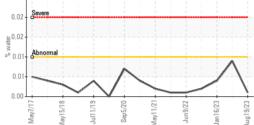
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

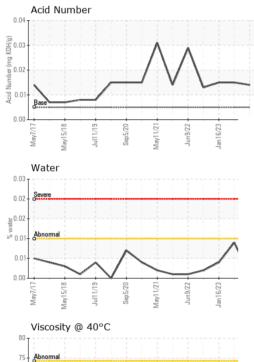
		methou	initia base	Guirent	Thistory	Thistory 2
Sample Number		Client Info		USP0000549	USP248939	USP244355
Sample Date		Client Info		19 Aug 2023	03 May 2023	16 Jan 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ATTENTION
		un atla a d	line it /le e e e		Internet	history 0
WEAR METALS		method	limit/base		history1	history2
Iron	ppm	ASTM D5185m	>8	<1	<1	2
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
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	<1	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	<1	0
Magnesium	ppm	ASTM D5185m		0	1	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		<1	0	0
Zinc	ppm	ASTM D5185m		0	0	<1
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.01	0.001	0.009	0.004
ppm Water	ppm	ASTM D6304	>100	9.3	90.4	45.8
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 17472	69347	1 3343
Particles >6µm		ASTM D7647	>2500	<u> </u>	<u> </u>	2276
Particles >14µm		ASTM D7647	>320	103	4 75	51
Particles >21µm		ASTM D7647	>80	12	60	7
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 21/19/14	▲ 23/22/16	1 /18/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.015	0.015
. ,	- 0					



OIL ANALYSIS REPORT







(70°C)

3 5 6 9

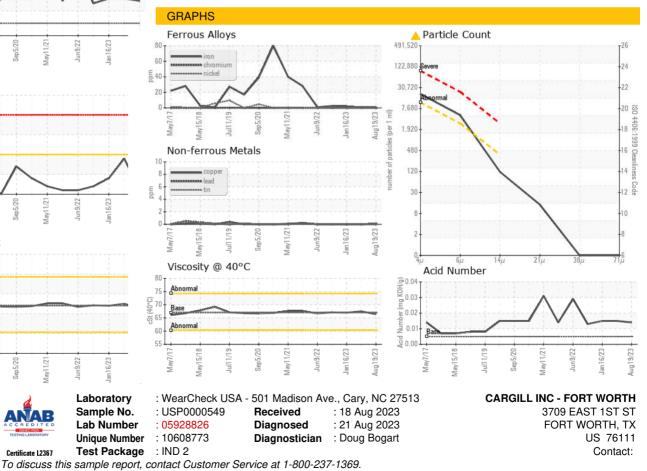
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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: ? ? - CARFORTEX

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