

PROBLEM SUMMARY

Sample Rating Trend

2009 Aa/011 Jan/013 San/014 Jan/017 Aa/0108 San/019 San/027

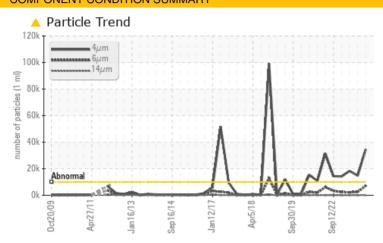


TYSCLA 24 (S/N TDSH193L1857D)

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	ATTENTION				
Particles >4µm	ASTM D7647	>10000	<u> </u>	<u>14791</u>	<u>▲</u> 18294				
Particles >6µm	ASTM D7647	>2500	7095	2485	2191				
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u>22/20/15</u>	<u>\</u> 21/18/12	<u>^</u> 21/18/13				

Customer Id: TYSCLA Sample No.: USP0002977 Lab Number: 05995648 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

24 Jul 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.



17 Apr 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.



05 Jan 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.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

TYSCLA 24 (S/N TDSH193L1857D)

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 < 14 microns in size) present in the oil.

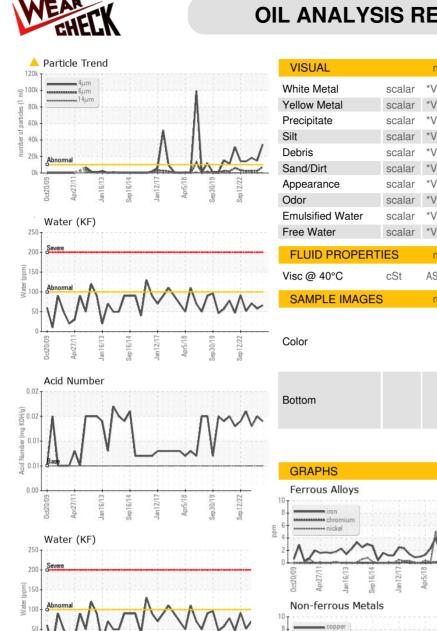
Fluid Condition

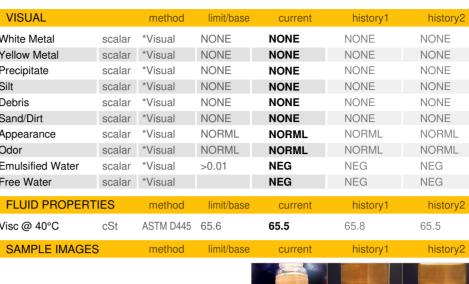
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

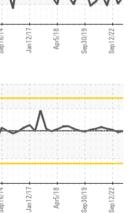
2009 April 3 Jan 2013 Sept 2014 Jan 2013 Sept 2014 Sept 2019 Sept 2019 Sept 2022									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		USP0002977	USP0001004	USP248561			
Sample Date		Client Info		31 Oct 2023	24 Jul 2023	17 Apr 2023			
Machine Age	hrs	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	ATTENTION			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>8	2	4	3			
Chromium	ppm	ASTM D5185m	>2	0	0	0			
Nickel	ppm	ASTM D5185m		0	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	0	0	0			
Copper	ppm	ASTM D5185m	>8	0	<1	<1			
Tin	ppm	ASTM D5185m	>4	0	0	0			
Vanadium	ppm	ASTM D5185m		0	0	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES	PPIII	method	limit/base						
			IIIIIVbase	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		<1	0	1			
Calcium	ppm	ASTM D5185m		1	0	0			
Phosphorus	ppm	ASTM D5185m		<1	<1	0			
Zinc	ppm	ASTM D5185m		0	0	0			
Sulfur	ppm	ASTM D5185m	50	20	0	0			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>15	1	<1	<1			
Sodium	ppm	ASTM D5185m		0	0	<1			
Potassium	ppm	ASTM D5185m	>20	<1	0	0			
Water	%	ASTM D6304	>0.01	0.006	0.005	0.007			
ppm Water	ppm	ASTM D6304	>100	66.2	57.8	71.2			
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647	>10000	▲ 34514	<u> 14791</u>	<u></u> 18294			
Particles >6µm		ASTM D7647	>2500	^ 7095	2485	2191			
Particles >14µm		ASTM D7647	>320	183	39	48			
Particles >21µm		ASTM D7647	>80	38	5	12			
Particles >38µm		ASTM D7647	>20	0	0	1			
Particles >71µm		ASTM D7647	>4	0	0	0			
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 22/20/15	<u>▲</u> 21/18/12	<u>^</u> 21/18/13			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.015	0.013			

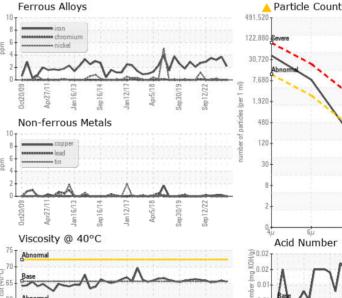


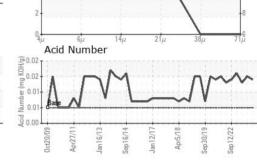
OIL ANALYSIS REPORT













cSt (40°C)

Viscosity @ 40°C

Certificate L2367

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

Test Package

: USP0002977 : 05995648

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10724008

: 01 Nov 2023 : 03 Nov 2023 Diagnosed Diagnostician : Doug Bogart

Sep12/22

TYSON -CLARKSVILLE-USP

CLARKSVILLE, AR US

Contact: BRENT SMITH

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: