

OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id

TYSHOUP RC-12

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

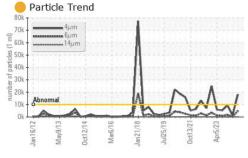
Fluid Condition

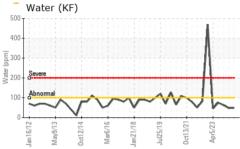
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

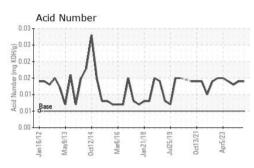
12012 May2013 Oct2014 Mar2016 Jan2019 Oct2021 Apr2023						
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013126	USP0007751	USP0003103
Sample Date		Client Info		20 Jun 2024	21 Feb 2024	02 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1	0	0
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>3	0	<1	0
Lead	ppm	ASTM D5185m	>2	<1	0	0
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		0	1	0
Phosphorus	ppm	ASTM D5185m		0	<1	0
Zinc	ppm	ASTM D5185m		<1	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304	>0.01	0.004	0.004	0.006
ppm Water	ppm	ASTM D6304	>100	48	48	62.8
FLUID CLEANLIN	F00					
	ESS	method	limit/base	current	history1	history2
Particles >4µm	ESS	method ASTM D7647	>10000			
Particles >4μm Particles >6μm	ESS			current 18218 4873	history1 1531 225	history2 9336 1728
·	ESS	ASTM D7647	>10000	182184873	1531	9336
Particles >6μm Particles >14μm	ESS	ASTM D7647 ASTM D7647 ASTM D7647	>10000 >2500	182184873125	1531 225 11	9336 1728
Particles >6μm Particles >14μm Particles >21μm	ESS	ASTM D7647 ASTM D7647	>10000 >2500 >320	182184873	1531 225	9336 1728 41
Particles >6μm Particles >14μm Particles >21μm Particles >38μm	ESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>10000 >2500 >320 >80 >20	18218 4873 125 16 0	1531 225 11 5	9336 1728 41 7 0
Particles >6μm Particles >14μm Particles >21μm	ESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>10000 >2500 >320 >80	18218 4873 125 16	1531 225 11 5	9336 1728 41 7
Particles >6μm Particles >14μm Particles >21μm Particles >38μm Particles >71μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>10000 >2500 >320 >80 >20 >4	18218 4873 125 16 0	1531 225 11 5 2	9336 1728 41 7 0

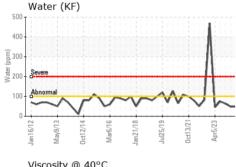


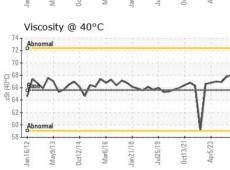
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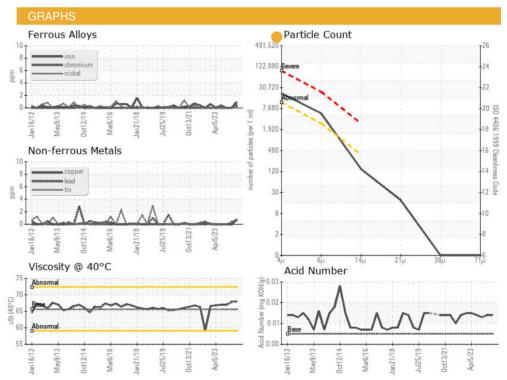
VISUAL						
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IFS.	method	limit/base	current	history1	history2
I LOID I NOI LINI	ILO	memou	IIIIIIVDase	Current	HISTORY	HISTOLYZ
Visc @ 40°C	cSt	ASTM D445	65.6	68.0	67.8	66.9

SAMPLE	IMAGES	method

Color

Bottom









Certificate 12367

Laboratory Sample No.

Lab Number : 06217342

Test Package : IND 2

: USP0013126 Unique Number : 11090206

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024

Tested : 25 Jun 2024 Diagnosed : 25 Jun 2024 - Doug Bogart

TYSON -HOUSTON -USP - TYSHOUPOR

300 PORTWELL RD. HOUSTON, TX US 77029

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)

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F: