

OIL ANALYSIS REPORT

ISO

Machine Id

RECYCLED NH3 (S/N 050196)

Refrigeration Compressor

Fluid USPI ALT-68 SC (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

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.

Sample DateClient Info03 Apr 202415 Mar 202416Machine AgehrsClient Info000Oil AgehrsClient Info000Oil ChangedClient InfoN/AN/AN/A	SP0006838 6 Feb 2024 /A ORMAL
Sample Date Client Info 03 Apr 2024 15 Mar 2024 16 Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info 0 <th>/A ORMAL</th>	/A ORMAL
Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A	ORMAL
Oil Changed Client Info N/A N/A N/	ORMAL
	ORMAL
	-
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >8 0 0	0
Chromium ppm ASTM D5185m >2 0 0	<1
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	1
Lead ppm ASTM D5185m >2 0 0	0
Copper ppm ASTM D5185m >8 <1	<1
Tin ppm ASTM D5185m >4 0 0	0
VanadiumppmASTM D5185m00	0
Cadmium ppm ASTM D5185m O O	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	0
Magnesium ppm ASTM D5185m 0 <1	<1
Calcium ppm ASTM D5185m 0 <1	0
Phosphorus ppm ASTM D5185m 0 0	0
Zinc ppm ASTM D5185m 0 0	0
Sulfur ppm ASTM D5185m 50 0 0	0
CONTAMINANTS method limit/base current history1	history2
Silicon ppm ASTM D5185m >15 2 3	2
Sodium ppm ASTM D5185m 0 0	0
Potassium ppm ASTM D5185m >20 <1 <1	1
Water % ASTM D6304 >0.01 0.002 0.003	0.006
ppm Water ppm ASTM D6304 >100 23 39	63
FLUID CLEANLINESS method limit/base current history1	history2
Particles >4μm ASTM D7647 >10000 17746 526	5781
Particles >6μm ASTM D7647 >2500 3367 192	1612
Particles >14μm ASTM D7647 >320 51 18	71
Particles >21μm ASTM D7647 >80 5 3	25
Particles >38μm ASTM D7647 >20 0 0	3
Particles >71μm ASTM D7647 >4 0 0	0
Oil Cleanliness ISO 4406 (c) >20/18/15 • 21/19/13 16/15/11	20/18/13
FLUID DEGRADATION method limit/base current history1	history2
Acid Number (AN) mg KOH/g ASTM D974 0.005 0.014 0.042	0.015

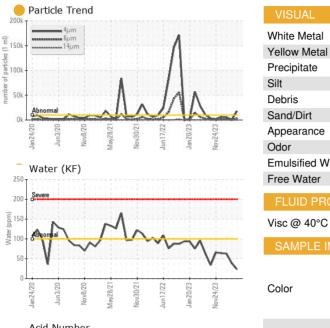
Contact/Location: PAT HART - TYSCEN01 Page 1 of 2

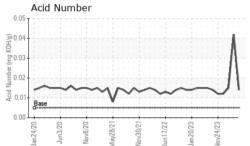


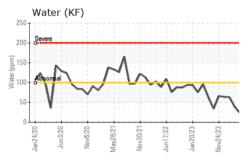
(1 ml)

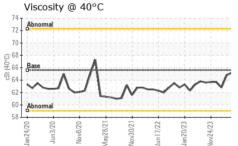
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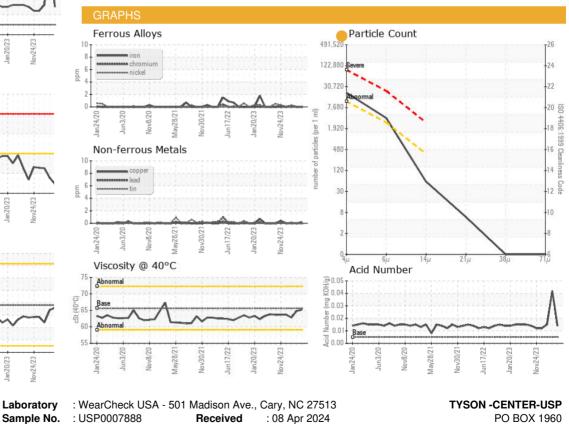








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.6	65.2	64.8	62.8
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					a.	x
Bottom				0		



: 11 Apr 2024

: 11 Apr 2024 - Doug Bogart



Test Package : IND 2 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Lab Number : 06142331

Unique Number : 10967139

* - 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)

Tested

Diagnosed

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Certificate 12367

Contact/Location: PAT HART - TYSCEN01