

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id ER1 HSRC-05 (S/N 60357)

Component Refrigeration Compressor Fluid

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

A 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

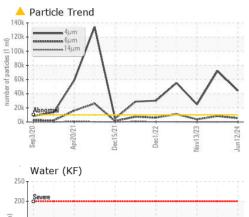
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013173	USP0007451	USP0003631
Sample Date		Client Info		12 Jun 2024	28 Feb 2024	13 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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m	~ -	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver		ASTM D5185m	>2	0	0	<1
	ppm			0 <1	0	<1
Aluminum	ppm	ASTM D5185m	>3	<1 0		
Lead	ppm	ASTM D5185m	>2		0	0
Copper	ppm	ASTM D5185m	>8	0	0	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
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	1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	<1	1
Calcium	ppm	ASTM D5185m		0	<1	1
Phosphorus	ppm	ASTM D5185m		0	0	1
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	0	0	0
Sodium	ppm	ASTM D5185m		2	0	1
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water	%	ASTM D6304	>0.01	0.001	0.001	0.001
ppm Water	ppm	ASTM D6304	>100	9	0	9.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>	▲ 72111	4 24831
Particles >6µm		ASTM D7647	>2500	<u> </u>	▲ 8283	93688
Particles >14µm		ASTM D7647	>320	102	100	110
Particles >21µm		ASTM D7647	>80	13	14	24
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	23/20/14	▲ 23/20/14	▲ 22/19/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.013	0.012
. ,	- 0					

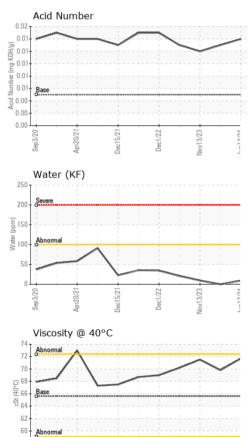
Contact/Location: Service Manager - AMEOMA Page 1 of 2



OIL ANALYSIS REPORT







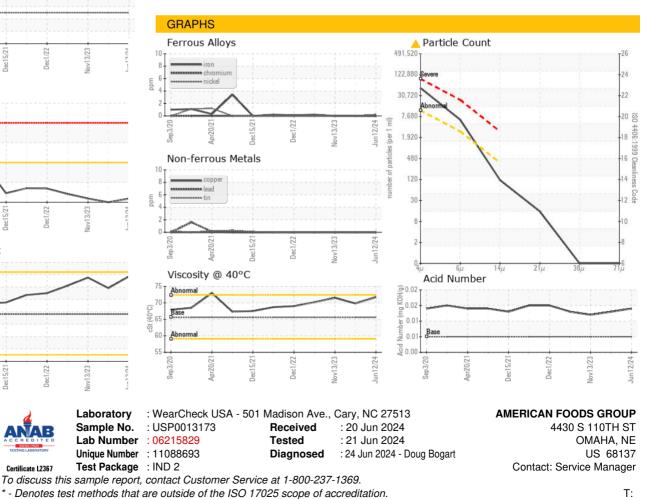
58

Sep3/20

pr20/21

Dec15/21

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	71.7	69.82	71.5
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				BRC-05		· ·
Bottom						()



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

Report Id: AMEOMA [WUSCAR] 06215829 (Generated: 06/24/2024 17:36:27) Rev: 1

Contact/Location: Service Manager - AMEOMA

F: