

OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base

current



history1

history2

Machine Id

FRICK BLDG 3 CP-7

Component Refrigeration Compressor Fluid IRP 717 (--- 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	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013263	USP0004132	USP249855
Sample Date		Client Info		16 Jun 2024	28 Nov 2023	11 Jul 2023
Machine Age	hrs	Client Info		0	76622	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	<1	0	1
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	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	<1	0	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
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		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		<1	0	0
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304		0.001	0.002	0.00
ppm Water	ppm	ASTM D6304	>100	1	23	0.00
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>	4 6500	A 31194
Particles >6µm		ASTM D7647	>2500	<u> </u>	▲ 8822	<mark>▲</mark> 6271
Particles >14µm		ASTM D7647	>320	146	289	125
Particles >21µm		ASTM D7647		7	55	12
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 23/21/14	A 23/20/15	<u>22/20/14</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.014	0.014	0.015

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100

40

20

0

250

20

Ē 150

Nater 100

5

0.02

0.01 (B/HO) B 0.01 0.0 0.01 명 0.00

0.00

0.00

20

E 150

Nater 100

5

12

110

100

90

80

70

60

cSt (40°C)

Aar29/7

Viscosity @ 40°C

Vov21/22

lov21/22

Water (KF)

111/22

0111/02

Ē 80

> Cles 60

OIL ANALYSIS REPORT

scalar

scalar

scalar

scalar

scalar

scalar

scalar

scalar

cSt

scalar *Visual

scalar *Visual

method

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

method

ASTM D445

method

limit/base

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

limit/base

limit/base

>0.01

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

curren

current

NEG

NEG

66.7

history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

historv1

NEG

NEG

66.7

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

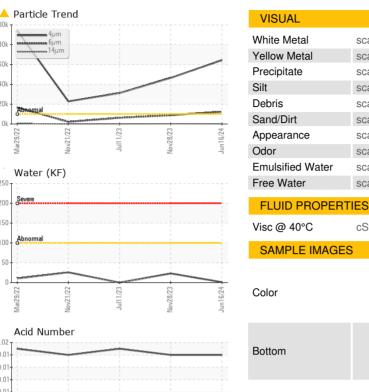
history2

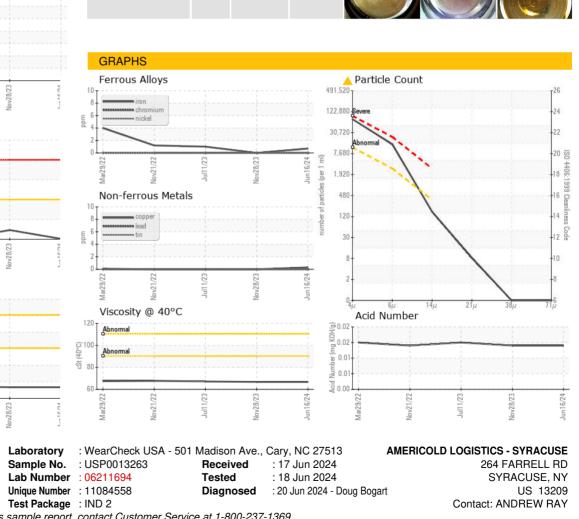
history2

NEG

NEG

67.1





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) T: F:

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Certificate 12367

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