

### **OIL ANALYSIS RE**

Silicon Sodium Potassium Water

ppm Water

White Metal

Yellow Metal

Precipitate

Silt

Debris

Odor

Sand/Dirt

Appearance

**Emulsified Water** 

FLUID DEGRADATION

Acid Number (AN)

%

ppm

mg KOH/g

scalar

scalar

scalar

scalar

scalar

scalar

scalar

scalar

scalar

ASTM D6304 >0.1

>1000

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.1

ASTM D6304

ASTM D8045

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

scalar \*Visual

# **PSA** [PSA] PSA-C-0401 CMPSR,TAIL GAS,PS

Compressor

BELRAY Turbine Oil 150 (--- QTS)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Area

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil

#### Fluid Condition

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

Sample Rating Trend						
YSIS REPORT NORMAL						IORMAL
L GAS,PSA I	UNIT					
,,						
		Jul202	3 Oct2023	Feb2024	lul2024	
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0042807	RP0038946	RP0034760
Sample Date		Client Info		12 Jul 2024	06 Feb 2024	17 Oct 2023
Machine Age	hrs	Client Info		0	001002024	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	12	0	0
Chromium Nickel	ppm	ASTM D5185m ASTM D5185m	>10	0	0	0
Titanium	ppm ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	<1	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		6	0	0
Calcium	ppm	ASTM D5185m		34	9	6
Phosphorus	ppm	ASTM D5185m		44	24	2
Zinc	ppm	ASTM D5185m		18	1	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	0	<1
Sodium	ppm	ASTM D5185m		2	<1	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
147 .	0/	AOTA DOGO (	0.4	0.004	0.000	0.000

0.001

0.148

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

12

0.003

0.091

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

30

0.003

38.8

0.08

NONE

NONE

NONE

NONE

NONE

NONE

NORML

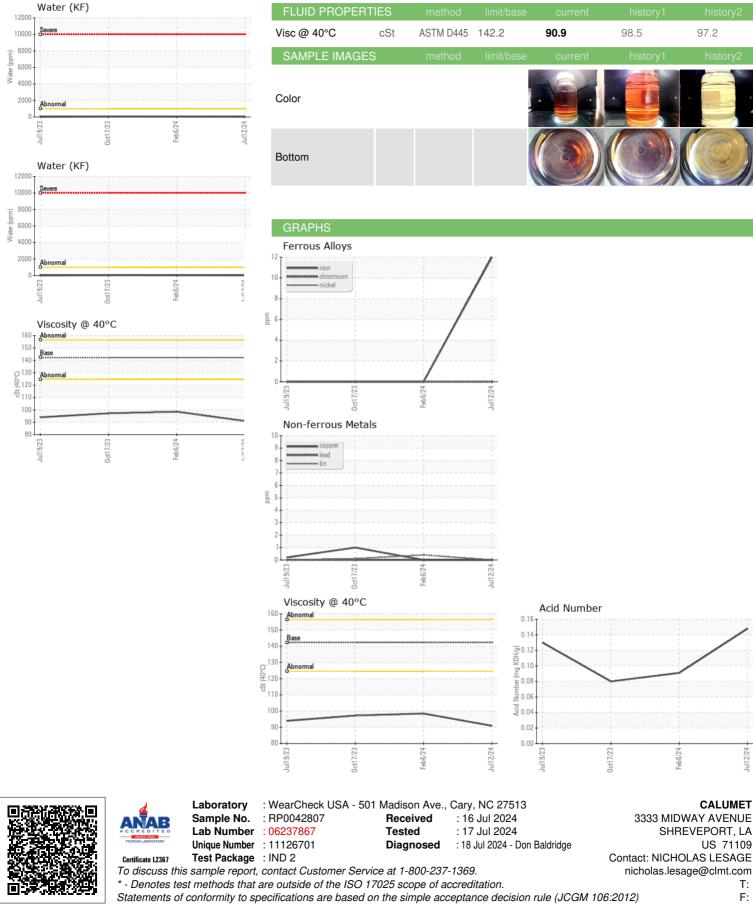
NORML

NEG

ubmitted By: CODY GOM PTON



## **OIL ANALYSIS REPORT**



Submitted By: CODY COMPTON

Page 2 of 2

Jul12/24

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