



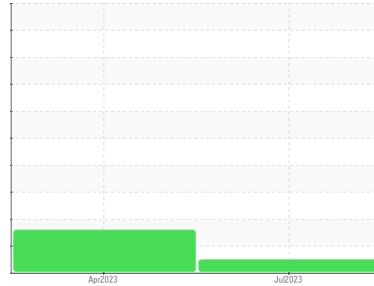
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**HYDR**  
 Machine Id  
**[HYDR] HYDR-C-0009B CMPSR,NAT GAS FEED,E (South East)**  
 Component  
**Compressor**  
 Fluid  
**BELRAY Turbine Oil 150 (--- QTS)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>RP0034780</b>	RP0031615	---
Sample Date	Client Info		<b>19 Jul 2023</b>	05 Apr 2023	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	<b>1</b>	▲ 218	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	▲ 37	---
Nickel	ppm	ASTM D5185m		<b>0</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	5	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	1	---
Copper	ppm	ASTM D5185m	>50	<b>10</b>	15	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	3	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	4	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185m		<b>6</b>	7	---
Calcium	ppm	ASTM D5185m		<b>15</b>	20	---
Phosphorus	ppm	ASTM D5185m		<b>32</b>	30	---
Zinc	ppm	ASTM D5185m		<b>8</b>	14	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<b>4</b>	2	---
Sodium	ppm	ASTM D5185m		<b>2</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---
Water	%	ASTM D6304	>0.1	<b>0.001</b>	0.061	---
ppm Water	ppm	ASTM D6304	>1000	<b>12.2</b>	610	---

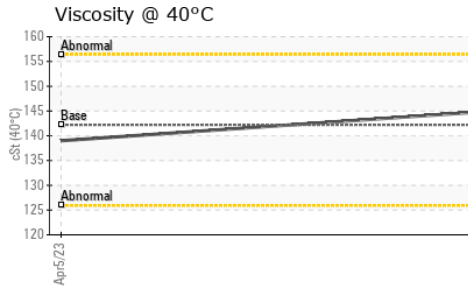
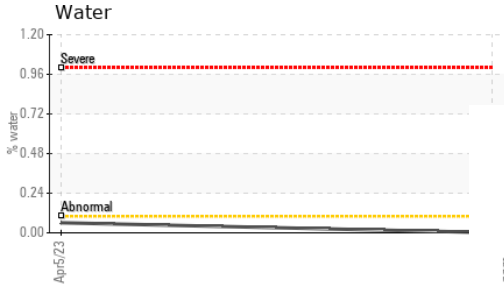
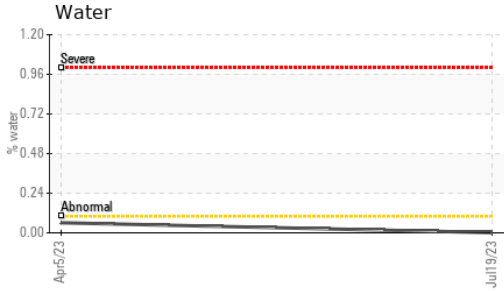
## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.075</b>	0.249	---

## VISUAL

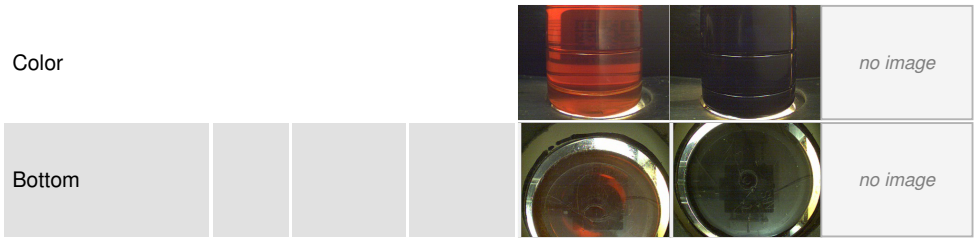
	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	0.2%	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

# OIL ANALYSIS REPORT

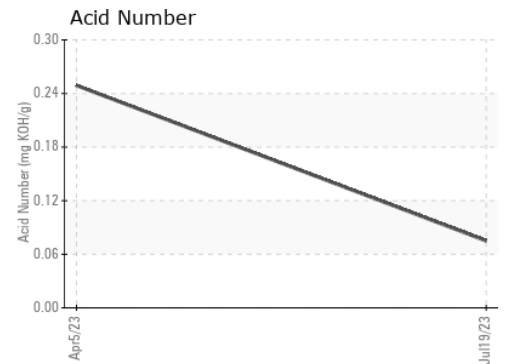
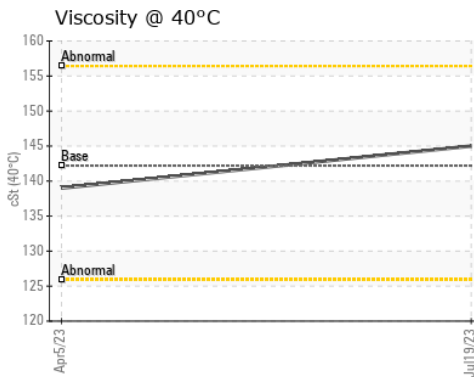
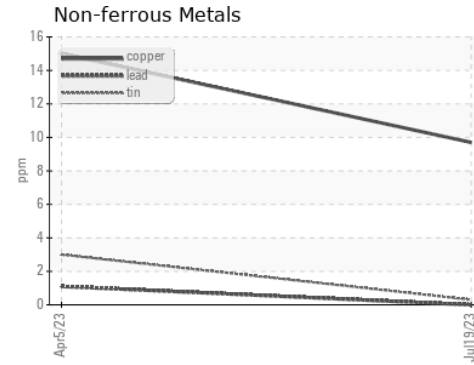
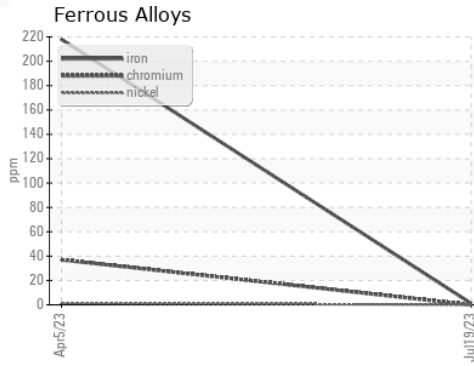


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	142.2	<b>145</b>	139	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0034780 **Received** : 21 Jul 2023  
**Lab Number** : **05904427** **Diagnosed** : 25 Jul 2023  
**Unique Number** : 10565783 **Diagnostician** : Angela Borella  
**Test Package** : IND 2

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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