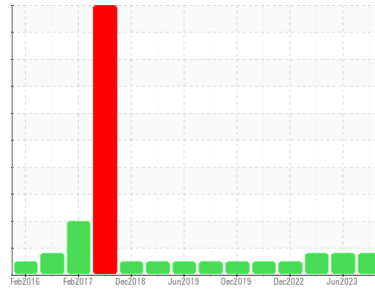




# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**DRUM 008 (S/N KY004907)**  
 Component  
**Gearbox**  
 Fluid  
**7 EP (1 PNT)**

## DIAGNOSIS

- Recommendation**  
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**  
The iron level has decreased, but is still abnormal. Gear wear is indicated. All other 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 acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>RP0037325</b>	RP0021786	RP0021788
Sample Date	Client Info		<b>27 Mar 2024</b>	28 Jun 2023	22 Mar 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>▲ 255</b>	▲ 352	176
Chromium	ppm	ASTM D5185m >15	<b>3</b>	3	2
Nickel	ppm	ASTM D5185m >15	<b>1</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m >100	<b>1</b>	0	0
Copper	ppm	ASTM D5185m >200	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m >25	<b>1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>24</b>	25	31
Barium	ppm	ASTM D5185m	<b>3</b>	4	3
Molybdenum	ppm	ASTM D5185m	<b>1</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>3</b>	2	2
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	4
Calcium	ppm	ASTM D5185m	<b>7</b>	1	4
Phosphorus	ppm	ASTM D5185m	<b>217</b>	237	257
Zinc	ppm	ASTM D5185m	<b>3</b>	3	4

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>3</b>	2	1
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	<1	<1
Water	%	ASTM D6304 >0.2	<b>0.003</b>	0.003	0.015
ppm Water	ppm	ASTM D6304 >2000	<b>32</b>	36.8	151.7

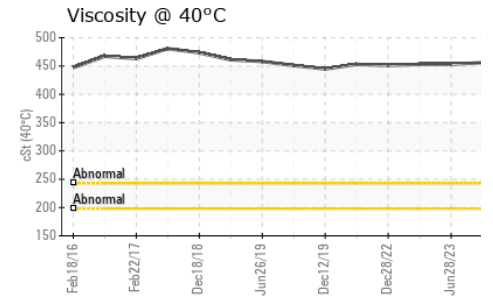
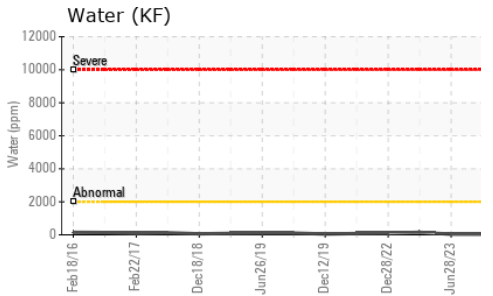
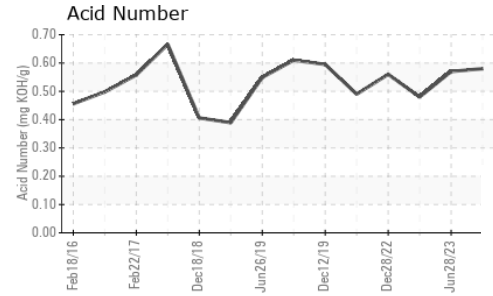
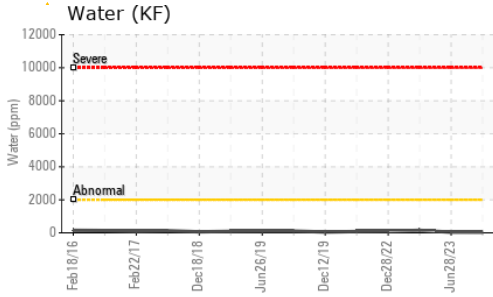
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.58</b>	0.57	0.48

## VISUAL

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

# OIL ANALYSIS REPORT



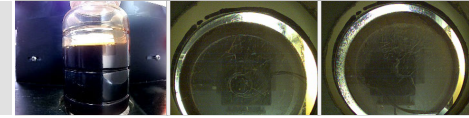
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	456	453	453

SAMPLE IMAGES	method	limit/base	current	history1	history2
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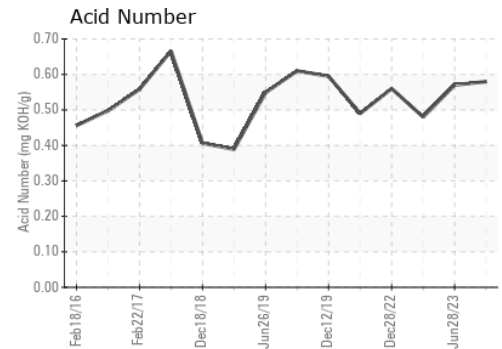
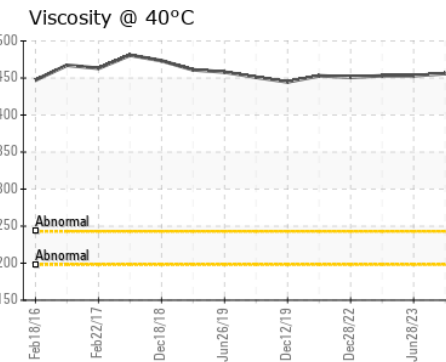
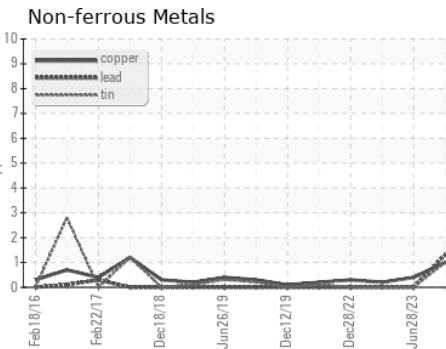
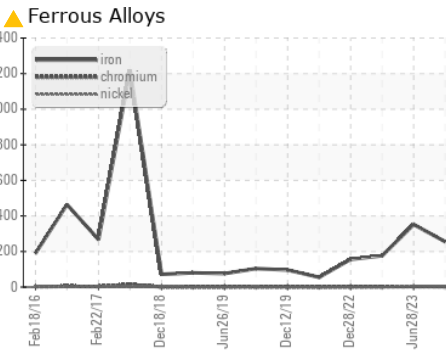
Color



Bottom



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0037325  
**Lab Number** : 06145958  
**Unique Number** : 10976036  
**Test Package** : IND 2

**Received** : 11 Apr 2024  
**Tested** : 12 Apr 2024  
**Diagnosed** : 15 Apr 2024 - Don Baldrige

**HOLLINGSWORTH & VOSE CO**  
 1115 SE CRYSTAL LAKE DR  
 CORVALLIS, OR  
 US 97333  
 Contact: Jon Ayers  
 jonathan.ayers@hovo.com  
 T: (541)738-5399  
 F: x:

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)