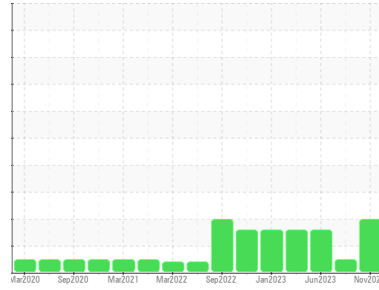


# PROBLEM SUMMARY

Sample Rating Trend



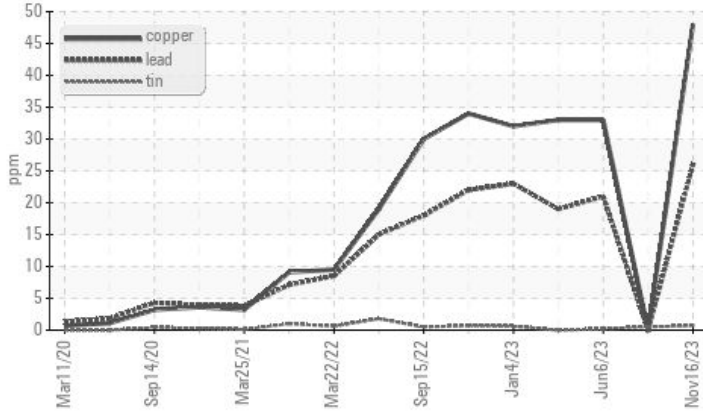
**WEAR**



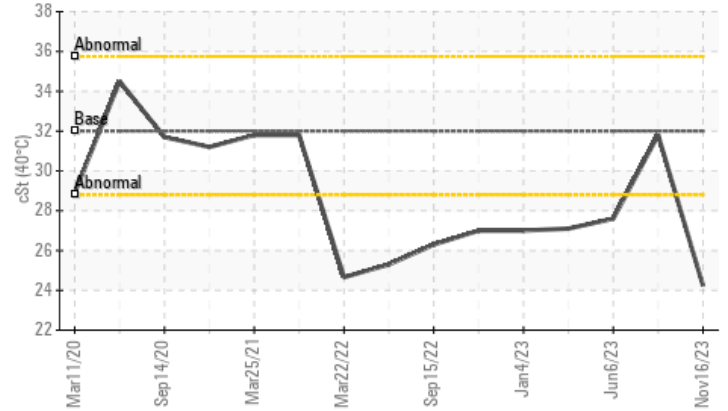
Machine Id  
**CDPT\_U31 CDPT\_U31\_P31**  
 Component  
**Non-Drive End Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM GT 32 (3 QTS)**

## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



### ▲ Viscosity @ 40°C



## RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	NORMAL	<b>ABNORMAL</b>
Lead	ppm	ASTM D5185m	>12	▲ <b>26</b>	0	▲ 21
Copper	ppm	ASTM D5185m	>30	▲ <b>48</b>	0	▲ 33
Visc @ 40°C	cSt	ASTM D445	32	▲ <b>24.24</b>	31.8	27.6

Customer Id: ENEORE  
 Sample No.: RP0034027  
 Lab Number: 06016524  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 25 Sep 2023 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 06 Jun 2023 Diag: Don Baldrige

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



### 05 Apr 2023 Diag: Angela Borella

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

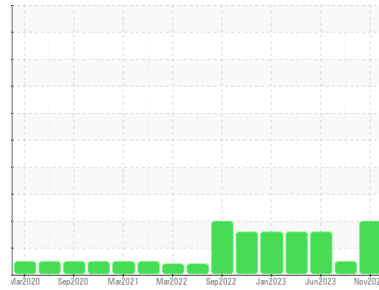
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**CDPT\_U31 CDPT\_U31\_P31**  
 Component  
**Non-Drive End Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM GT 32 (3 QTS)**

**DIAGNOSIS**

- Recommendation**  
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**  
Bearing and/or bushing wear is indicated.
- Contamination**  
The water content is negligible. There is no indication of any contamination in the oil.
- Fluid Condition**  
The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>RP0034027</b>	RP0034088	RP0025450
Sample Date	Client Info	<b>16 Nov 2023</b>	25 Sep 2023	06 Jun 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	NORMAL	ABNORMAL

**WEAR METALS**

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >90	<b>4</b>	0	4
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >7	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m >12	<b>▲ 26</b>	0	▲ 21
Copper	ppm	ASTM D5185m >30	<b>▲ 48</b>	0	▲ 33
Tin	ppm	ASTM D5185m >9	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>1</b>	0	<1

**ADDITIVES**

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>6</b>	77	17
Calcium	ppm	ASTM D5185m	<b>&lt;1</b>	3	0
Phosphorus	ppm	ASTM D5185m	<b>4</b>	1	1
Zinc	ppm	ASTM D5185m	<b>0</b>	3	0

**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >60	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m	<b>1</b>	1	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	<1	0
Water	%	ASTM D6304 >.1	<b>0.006</b>	0.035	0.003
ppm Water	ppm	ASTM D6304 >1000	<b>63</b>	353.9	36.2

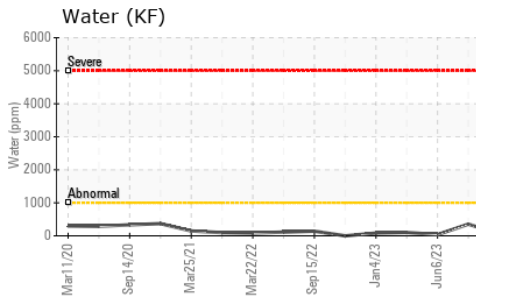
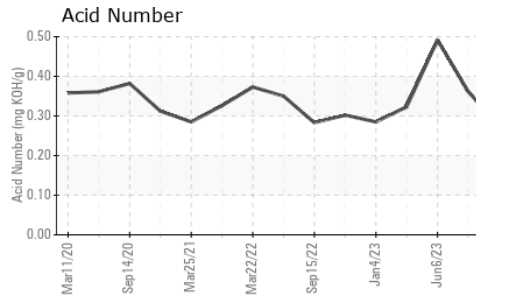
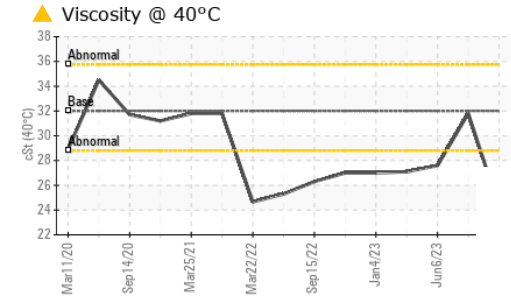
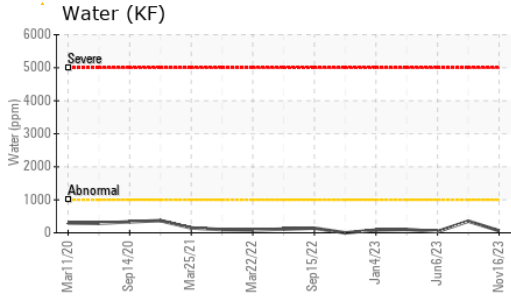
**FLUID DEGRADATION**

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.276</b>	0.361	0.492

**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>NONE</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 >.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

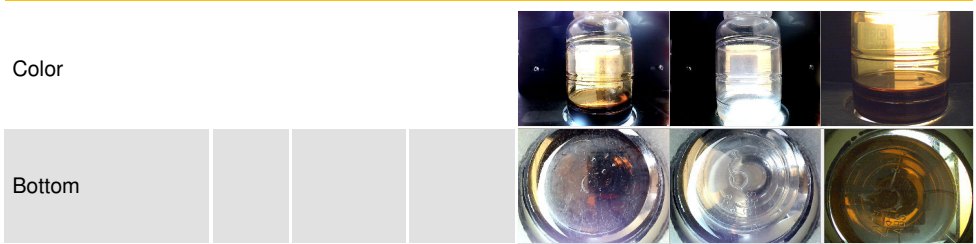
# OIL ANALYSIS REPORT



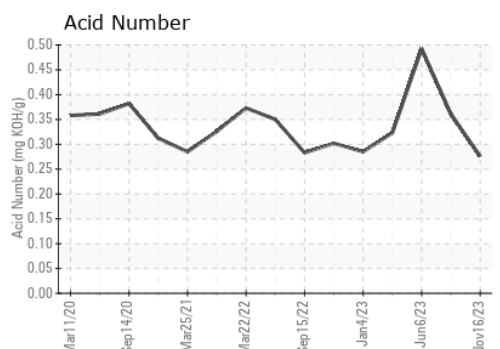
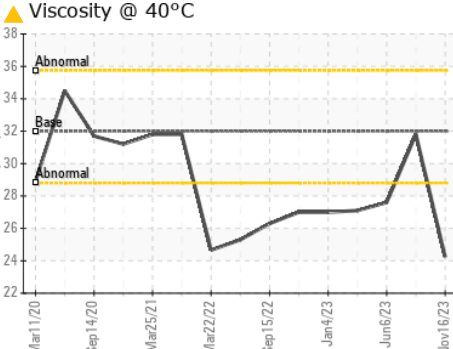
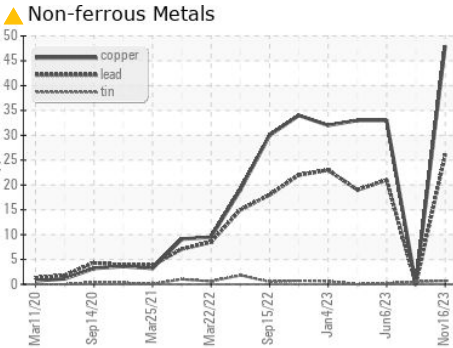
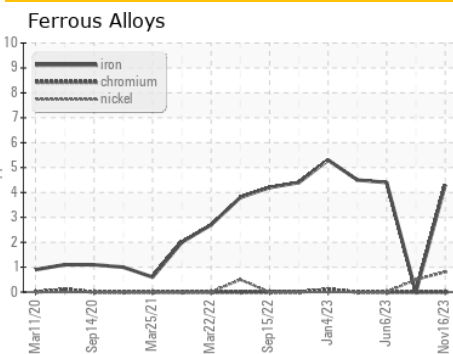
FLUID PROPERTIES		method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	32	▲ 24.24	31.8	27.6
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SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0034027 **Received** : 24 Nov 2023  
**Lab Number** : 06016524 **Diagnosed** : 01 Dec 2023  
**Unique Number** : 10755668 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**ENERGY TRANSFER - CEDAR POINT**  
 4151 CEDAR POINT ROAD  
 OREGON, OH  
 US 43616  
 Contact: CHRISTOPHER CORNWELL  
 christopher.cornwell@energytransfer.com  
 T: (419)467-7972  
 F:

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)