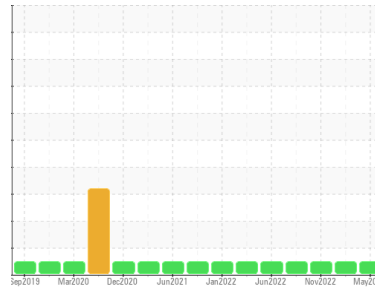




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Morgans Point**  
 Machine ID  
**02553CM12.2200 Train 2 Propylene Compressor**  
 Component  
**Rotary Compressor**  
 Fluid  
**ROYAL PURPLE SYNFILM 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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>RP0026911</b>	RP0026931	RP0026925
Sample Date	Client Info	<b>08 May 2023</b>	09 Mar 2023	14 Nov 2022
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>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>70	<b>&lt;1</b>	<1	<1
Chromium ppm ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel ppm ASTM D5185m		<b>&lt;1</b>	<1	0
Titanium ppm ASTM D5185m		<b>0</b>	0	0
Silver ppm ASTM D5185m		<b>0</b>	0	0
Aluminum ppm ASTM D5185m	>3	<b>&lt;1</b>	<1	0
Lead ppm ASTM D5185m	>4	<b>0</b>	0	0
Copper ppm ASTM D5185m	>20	<b>0</b>	<1	<1
Tin ppm ASTM D5185m	>3	<b>&lt;1</b>	<1	0
Vanadium ppm ASTM D5185m		<b>0</b>	0	0
Cadmium ppm ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>0</b>	0	0
Barium ppm ASTM D5185m		<b>0</b>	2	0
Molybdenum ppm ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese ppm ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium ppm ASTM D5185m	90	<b>&lt;1</b>	11	6
Calcium ppm ASTM D5185m		<b>0</b>	0	0
Phosphorus ppm ASTM D5185m		<b>0</b>	6	17
Zinc ppm ASTM D5185m		<b>0</b>	<1	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>45	<b>&lt;1</b>	0	<1
Sodium ppm ASTM D5185m		<b>&lt;1</b>	0	0
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	1	0
Water % ASTM D6304	>0.6	<b>0.008</b>	0.014	0.004
ppm Water ppm ASTM D6304		<b>80.0</b>	144.8	48.7

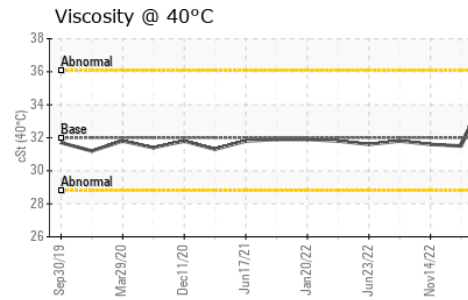
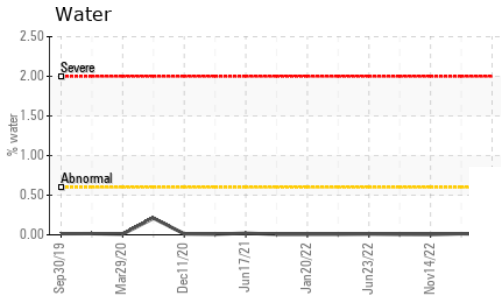
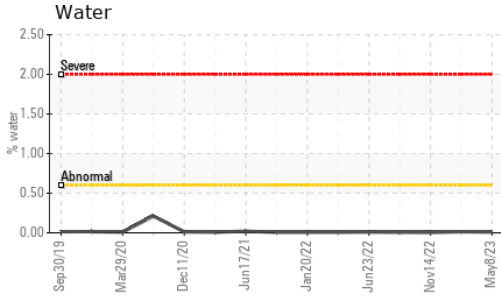
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.32</b>	0.35	0.38

## 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>	VLITE	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	>0.6	<b>NEG</b>	NEG	NEG
Free Water scalar *Visual		<b>NEG</b>	Submitted By: CHRIS LITTON	

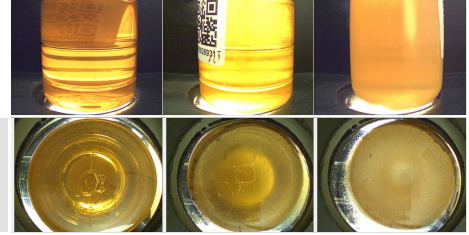
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	<b>35.6</b>	31.5	31.6

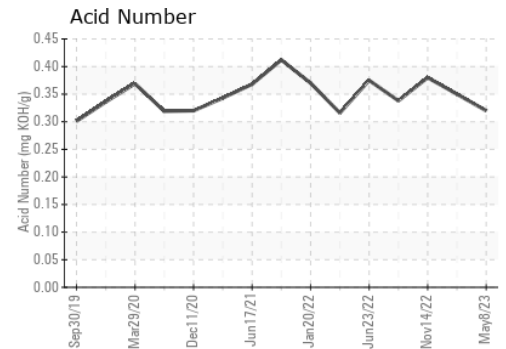
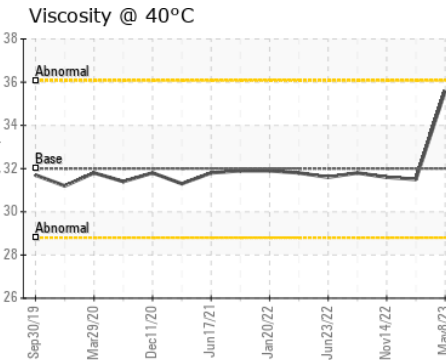
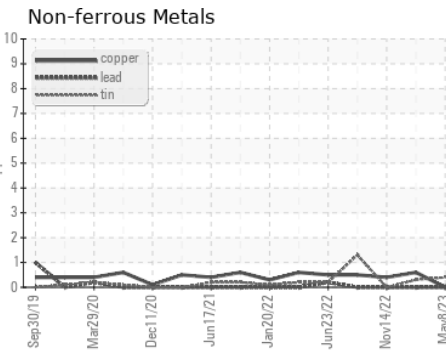
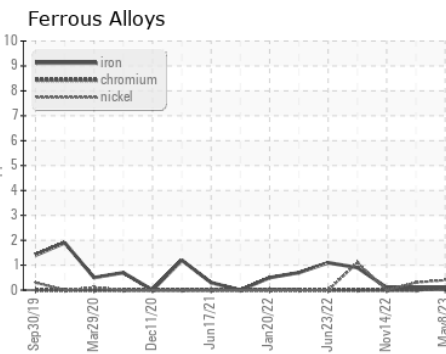
SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color



Bottom

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0026911 **Received** : 15 May 2023  
**Lab Number** : **05847182** **Diagnosed** : 17 May 2023  
**Unique Number** : 10471289 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**ENTERPRISE PRODUCTS - MORGAN'S POINT**  
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 LA PORTE, TX  
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 jcherrera@eprod.com  
 T: (832)501-4085  
 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)