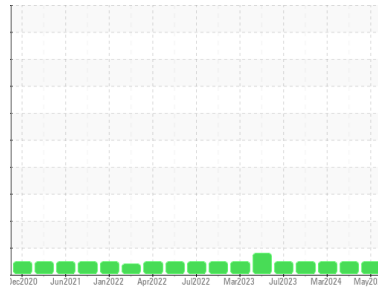




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Morgans Point**  
 Machine ID  
**02553CM12.2201 Train 2 Ethane 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>RP0036508</b>	RP0036855	RP0036790
Sample Date	Client Info	<b>30 May 2024</b>	15 Apr 2024	20 Mar 2024
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>Filtered</b>	Filtered	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>	0	0
Chromium ppm ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Nickel ppm ASTM D5185m		<b>0</b>	0	<1
Titanium ppm ASTM D5185m		<b>&lt;1</b>	<1	0
Silver ppm ASTM D5185m		<b>0</b>	0	0
Aluminum ppm ASTM D5185m	>3	<b>2</b>	1	<1
Lead ppm ASTM D5185m	>4	<b>0</b>	0	0
Copper ppm ASTM D5185m	>20	<b>2</b>	2	<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>&lt;1</b>	0	0
Molybdenum ppm ASTM D5185m		<b>0</b>	0	0
Manganese ppm ASTM D5185m		<b>0</b>	0	0
Magnesium ppm ASTM D5185m	90	<b>45</b>	43	30
Calcium ppm ASTM D5185m		<b>0</b>	5	0
Phosphorus ppm ASTM D5185m		<b>1</b>	0	0
Zinc ppm ASTM D5185m		<b>&lt;1</b>	0	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>45	<b>&lt;1</b>	<1	0
Sodium ppm ASTM D5185m		<b>&lt;1</b>	0	<1
Potassium ppm ASTM D5185m	>20	<b>1</b>	1	0
Water % ASTM D6304	>0.6	<b>0.010</b>	0.018	0.017
ppm Water ppm ASTM D6304		<b>108</b>	182	171

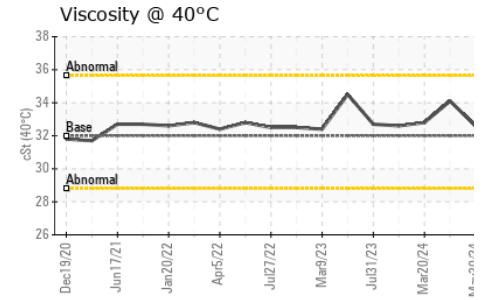
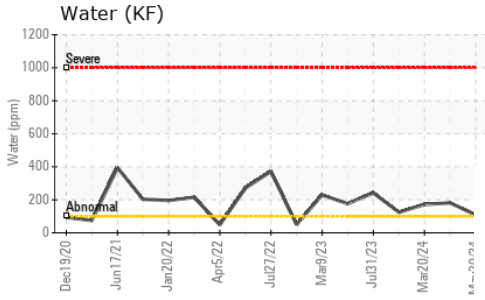
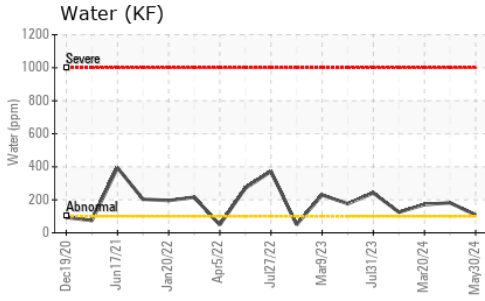
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.435</b>	0.37	0.43

## 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	>0.6	<b>NEG</b>	NEG	NEG
Free Water scalar *Visual		<b>NEG</b>	NEG	NEG

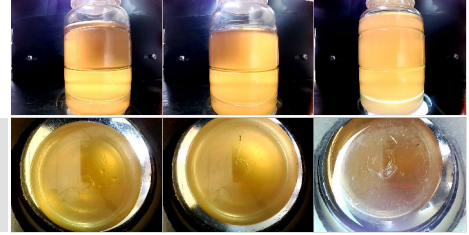
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	<b>32.6</b>	34.1	32.8

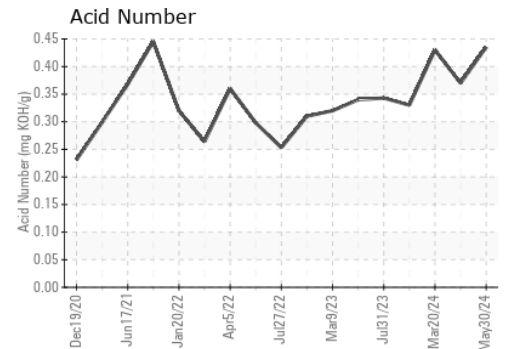
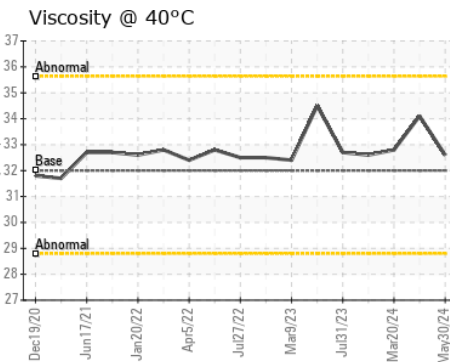
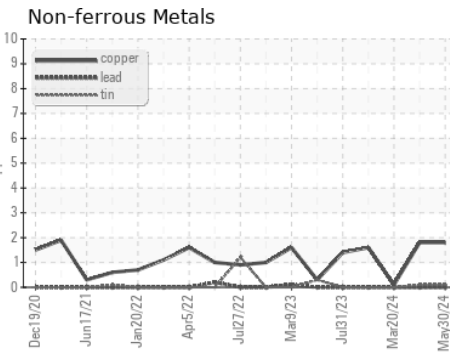
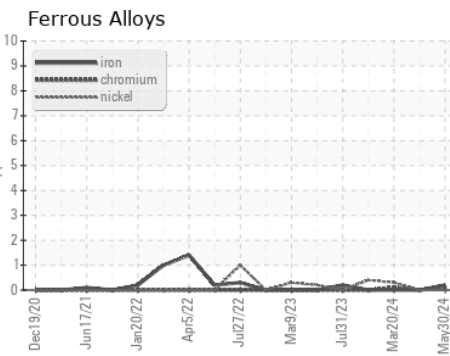
SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color



Bottom

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0036508  
**Lab Number** : **06201554**  
**Unique Number** : 11063677  
**Test Package** : IND 2

**Received** : 06 Jun 2024  
**Tested** : 07 Jun 2024  
**Diagnosed** : 09 Jun 2024 - Don Baldrige

**ENTERPRISE PRODUCTS - MORGAN'S POINT**  
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 LA PORTE, TX  
 US 77571  
 Contact: LONNIE RAMIREZ  
 LRamirez@eprod.com  
 T: (713)575-4112  
 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)