

# **OIL ANALYSIS REPORT**

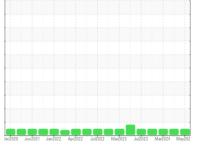
Sample Rating Trend

# **NORMAL**

# **Morgans Point** 02553CM12.2201 Train 2 Ethane Compressor

**Rotary Compressor** 

**ROYAL PURPLE SYNFILM 32 (--- GAL)** 



## Recommendation

Resample at the next service interval to monitor.

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 Date   Client Info   0			PBCZUZU JUNZ	uzi Janzuzz Apizuzz	outeoss mesos outeoss meso	EUZ4 MidyZUZ	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date   Client Info   0	Sample Number		Client Info		RP0036508	RP0036855	RP0036790
Machine Age         hrs         Client Info         0         1         1         0         0         0         1         1         0         0         0         1         1         1         0         0         1         1         1         0         0         1         1         1         0         0         0         1         1         1         1         0	Sample Date		Client Info		30 May 2024	15 Apr 2024	20 Mar 2024
Dil Changed	•	hrs	Client Info		-		0
Cilient Info	Oil Age	hrs	Client Info		0	0	0
NORMAL   NORMAL   NORMAL   NORMAL	•		Client Info		Filtered	Filtered	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
Chromium         ppm         ASTM D5185m         >10         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>70	<1	0	0
Silver	Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Silver	Nickel	ppm	ASTM D5185m		0	0	<1
Silver	Titanium	ppm	ASTM D5185m		<1	<1	0
Aluminum	Silver	ppm	ASTM D5185m		0		0
Lead	Aluminum		ASTM D5185m	>3	2	1	<1
Copper	Lead		ASTM D5185m	>4	0	0	
Tin	Copper			>20		2	<1
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         90         45         43         30           Calcium         ppm         ASTM D5185m         90         45         43         30           Calcium         ppm         ASTM D5185m         0         5         0         0           Phosphorus         ppm         ASTM D5185m          <1	Tin		ASTM D5185m	>3	<1	<1	0
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         5         0         0           Calcium         ppm         ASTM D5185m         0         5         0         0           Phosphorus         ppm         ASTM D5185m         1         0         0         0           Zinc         ppm         ASTM D5185m         41         0         0         0           Zinc         ppm         ASTM D5185m         >45         <1	Vanadium						0
Boron   ppm   ASTM D5185m   Q	Cadmium						
Barium         ppm         ASTM D5185m         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         90         45         43         30           Calcium         ppm         ASTM D5185m         0         5         0           Phosphorus         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         <1         0         0           Zinc         ppm         ASTM D5185m         >45         <1         <1         0           Zinc         ppm         ASTM D5185m         >45         <1         <1         0         <1           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         <1         <1         0         <1           Potassium         ppm         ASTM D5185m         >20         1         1         0         <1         <1         0	Boron	ppm	ASTM D5185m		0	0	0
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         90         45         43         30           Calcium         ppm         ASTM D5185m         0         5         0           Phosphorus         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         -1         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         -1         -1         0         <1           Sodium         ppm         ASTM D5185m         >45         -1         1         0         <1         0         <1         0         <1         0         <1         1         0         <1         0         <1         1         0         <1         0         <1         1         0         <1         0         <1 <th>Barium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>&lt;1</th> <th>0</th> <th>0</th>	Barium	ppm	ASTM D5185m		<1	0	0
Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         90         45         43         30           Calcium         ppm         ASTM D5185m         0         5         0           Phosphorus         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         <1	Molybdenum		ASTM D5185m		0	0	0
Magnesium         ppm         ASTM D5185m         90         45         43         30           Calcium         ppm         ASTM D5185m         0         5         0           Phosphorus         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         <1         0         0           Zinc         ppm         ASTM D5185m         <1         <1         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         <1         <1         0         <1           Sodium         ppm         ASTM D5185m         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         <1 <t< th=""><th></th><th></th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></t<>			ASTM D5185m		0	0	0
Calcium         ppm         ASTM D5185m         0         5         0           Phosphorus         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         <1         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         <1         <1         0           Sodium         ppm         ASTM D5185m         >20         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         1         0           Water         %         ASTM D6304         >0.6         0.010         0.018         0.017           ppm Water         ppm         ASTM D6304         108         182         171           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         0.435         0.37         0.43           VISUAL         method         limit/base         current         history1         history2	-		ASTM D5185m	90	45	43	30
Phosphorus         ppm         ASTM D5185m         1         0         0           Zinc         ppm         ASTM D5185m         <1	Calcium		ASTM D5185m		0	5	0
Zinc         ppm         ASTM D5185m         <1	Phosphorus		ASTM D5185m			0	0
Silicon	Zinc		ASTM D5185m		<1	0	0
Sodium	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         1         1         0           Water         %         ASTM D6304         >0.6         0.010         0.018         0.017           ppm Water         ppm         ASTM D6304         108         182         171           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         0.435         0.37         0.43           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Precipitate         scalar         *Visual         NONE         NONE         NONE         NONE           Silt         scalar         *Visual         NONE         NONE         NONE         NONE           Debris         scalar         *Visual         NONE         NONE         NONE         NONE           Appearance         scalar         *Visual         N	Silicon	ppm	ASTM D5185m	>45	<1	<1	0
Water % ASTM D6304 >0.6 0.010 0.018 0.017 ppm Water ppm ASTM D6304 108 182 171  FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.435 0.37 0.43  VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	Sodium	ppm	ASTM D5185m		<1	0	<1
ppm Water ppm ASTM D6304 108 182 171  FLUID DEGRADATION method limit/base current history1 history2  Acid Number (AN) mg KOH/g ASTM D8045 0.435 0.37 0.43  VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE NONE NONE NONE NONE  Yellow Metal scalar *Visual NONE NONE NONE NONE NONE  Precipitate scalar *Visual NONE NONE NONE NONE NONE  Silt scalar *Visual NONE NONE NONE NONE NONE  Debris scalar *Visual NONE NONE NONE NONE NONE  Sand/Dirt scalar *Visual NONE NONE NONE NONE  Appearance scalar *Visual NONE NONE NONE NONE  Appearance scalar *Visual NORML NORML NORML NORML  Odor scalar *Visual NORML NORML NORML NORML  NORML NORML	Potassium	ppm	ASTM D5185m	>20	1	1	0
FLUID DEGRADATION method limit/base current history1 history2  Acid Number (AN) mg KOH/g ASTM D8045 0.435 0.37 0.43  VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE NONE NONE NONE NONE  Yellow Metal scalar *Visual NONE NONE NONE NONE NONE  Precipitate scalar *Visual NONE NONE NONE NONE NONE  Silt scalar *Visual NONE NONE NONE NONE NONE  Debris scalar *Visual NONE NONE NONE NONE NONE  Sand/Dirt scalar *Visual NONE NONE NONE NONE  Appearance scalar *Visual NORML NORML NORML NORML  Odor scalar *Visual NORML NORML NORML NORML  NORML NORML	Water	%	ASTM D6304	>0.6	0.010	0.018	0.017
Acid Number (AN) mg KOH/g ASTM D8045 0.435 0.37 0.43  VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	ppm Water	ppm	ASTM D6304		108	182	171
VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	Acid Number (AN)	mg KOH/g	ASTM D8045		0.435	0.37	0.43
Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Precipitate     scalar     *Visual     NONE     NONE     NONE     NONE       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NONE     NONE     NONE     NONE       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NORML     NORML     NORML     NORML     NORML	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORML	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORML	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLNORMLNORML	Debris				NONE		NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLNORMLNORML	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML	Appearance						NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water						

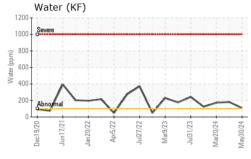
ONNIE RAMIREZ - FINTLAPTX

NEG

scalar \*Visual

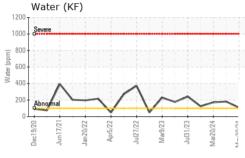


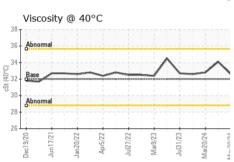
# **OIL ANALYSIS REPORT**



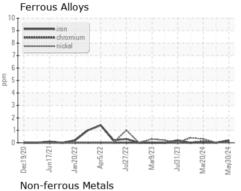


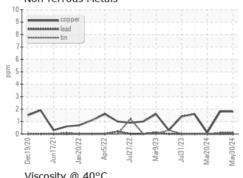


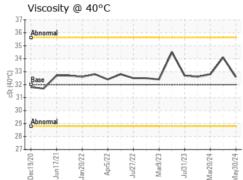


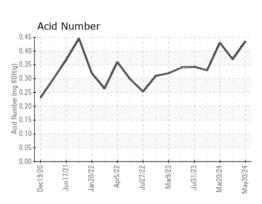


# **GRAPHS**













Certificate 12367

Laboratory Sample No.

: RP0036508 Lab Number : 06201554 Unique Number : 11063677 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024 **Tested** 

: 07 Jun 2024 Diagnosed : 09 Jun 2024 - Don Baldridge

**ENTERPRISE PRODUCTS - MORGAN'S POINT** 1200 N BROADWAY

LA PORTE, TX US 77571

Contact: LONNIE RAMIREZ LRamirez@eprod.com

T: (713)575-4112

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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