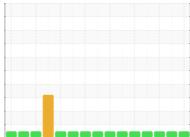


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





Morgans Point 02553CM12.2200 Train 2 Propylene 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.

Client Info			3ep2019 Ma	r2020 Dec2020 Jun20.	21 Jan2022 Jun2022 Nov20	022 May202:	
Client Info	SAMPLE INFORM	MOITAN	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		RP0026911	RP0026931	RP0026925
Dil Changed	Sample Date		Client Info		08 May 2023	09 Mar 2023	14 Nov 2022
Dil Changed Client Info N/A N/A N/A NORMAL NORMAL	Machine Age	hrs	Client Info		0	0	0
NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history2 history2	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >70 <1	Oil Changed		Client Info		N/A	N/A	N/A
Chromium	Sample Status				NORMAL	NORMAL	NORMAL
Description	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>70	<1	<1	<1
Description Description	Chromium	ppm	ASTM D5185m	>10	<1	0	0
Silver	Nickel	ppm	ASTM D5185m		<1	<1	0
Alluminum	Titanium	ppm	ASTM D5185m		0	0	0
Lead	Silver	ppm	ASTM D5185m		0	0	0
Copper	Aluminum	ppm	ASTM D5185m	>3	<1	<1	0
Name	Lead	ppm	ASTM D5185m	>4	0	0	0
Name	Copper		ASTM D5185m	>20	0	<1	<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 2 0 Barium ppm ASTM D5185m 0 2 0 Molybdenum ppm ASTM D5185m <1 <1 <1 <1 Manganese ppm ASTM D5185m 90 <1 11 6 CO 0 Magnesium ppm ASTM D5185m 0 0 0 0 0 Phosphorus ppm ASTM D5185m 0 <1 0 0 Zinc ppm ASTM D5185m 0 <1 0 17 Zinc ppm ASTM D5185m 0 <1 0 <1 Soliticon ppm ASTM D5185m >45 <1 0 <1 <td>Tin</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>3</td> <th><1</th> <td><1</td> <td>0</td>	Tin	ppm	ASTM D5185m	>3	<1	<1	0
ADDITIVES	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 0 0 0 0 0	Cadmium		ASTM D5185m		0	0	0
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Boron	ppm	ASTM D5185m		0	0	0
Manganese ppm ASTM D5185m <1 0 0 Magnesium ppm ASTM D5185m 90 <1	Barium	ppm	ASTM D5185m		0	2	0
Magnesium ppm ASTM D5185m 90 <1 11 6 Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 0 6 17 Zinc ppm ASTM D5185m 0 <1 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >45 <1 0 <1 Sodium ppm ASTM D5185m >45 <1 0 0 Potassium ppm ASTM D5185m >20 <1 1 0 Water % ASTM D5185m >20 <1 1 0 0	Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Calcium ppm ASTM D5185m 0 0 0 Phosphorus ppm ASTM D5185m 0 6 17 Zinc ppm ASTM D5185m 0 <1	Manganese	ppm	ASTM D5185m		<1	0	0
Phosphorus ppm ASTM D5185m 0 6 17 Zinc ppm ASTM D5185m 0 <1 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >45 <1 0 <1 Sodium ppm ASTM D5185m <21 0 0 0 Potassium ppm ASTM D5185m >20 <1 1 0 Water % ASTM D6185m >20 <1 1 0 Water % ASTM D5185m <20 <1 1 0 Water % ASTM D5185m <20 <1 1 0 Louis </td <td>Magnesium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>90</td> <th><1</th> <td>11</td> <td>6</td>	Magnesium	ppm	ASTM D5185m	90	<1	11	6
Zinc ppm ASTM D5185m 0 <1 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >45 <1 0 <1 Sodium ppm ASTM D5185m >20 <1 1 0 Potassium ppm ASTM D5185m >20 <1 1 0 Water % ASTM D6304 >0.6 0.008 0.014 0.004 water % ASTM D6304 80.0 144.8 48.7 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.32 0.35 0.38 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE	Calcium	ppm	ASTM D5185m		0	0	0
Zinc ppm ASTM D5185m 0 <1 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >45 <1 0 <1 Sodium ppm ASTM D5185m >20 <1 1 0 Potassium ppm ASTM D5185m >20 <1 1 0 Water % ASTM D6304 >0.6 0.008 0.014 0.004 water % ASTM D6304 >0.6 0.008 0.014 0.004 ppm Water ppm ASTM D6304 >0.6 0.008 0.014 0.004 ppm Water ppm ASTM D6304 >0.6 0.008 0.014 0.004 ppm Water ppm ASTM D6304 >0.6 0.008 0.014 0.004 Water ppm ASTM D6304 >0.6 0.008 0.014 0.004 Popm Water ppm ASTM D6304 <t< td=""><td>Phosphorus</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>0</th><td>6</td><td>17</td></t<>	Phosphorus	ppm	ASTM D5185m		0	6	17
Silicon	Zinc		ASTM D5185m		0	<1	0
Sodium	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <1 1 0 Water % ASTM D6304 >0.6 0.008 0.014 0.004 ppm Water ppm ASTM D6304 >0.6 0.008 0.014 0.004 ppm Water ppm ASTM D6304 80.0 144.8 48.7 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.32 0.35 0.38 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 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 NORML NORML NORML NORML	Silicon	ppm	ASTM D5185m	>45	<1	0	<1
Water % ASTM D6304 >0.6 0.008 0.014 0.004 opm Water ppm ASTM D6304 >0.6 0.008 0.014 0.004 opm Water ppm ASTM D6304 80.0 144.8 48.7 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.32 0.35 0.38 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Sodium	ppm	ASTM D5185m		<1	0	0
Water % ASTM D6304 >0.6 0.008 0.014 0.004 opm Water ppm ASTM D6304 80.0 144.8 48.7 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.32 0.35 0.38 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 Sand/Dirt scalar *Visual NORML NORML NORML NORML NORML Odor scalar *Visual 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 0.32 0.35 0.38 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 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	0.008	0.014	0.004
Acid Number (AN) mg KOH/g ASTM D8045 0.32 0.35 0.38 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 VLITE 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		80.0	144.8	48.7
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 VLITE 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 VLITE 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		0.32	0.35	0.38
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONEVLITENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORML	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 VLITE 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		NONE		NONE	NONE
Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE VLITE 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	
Debris scalar *Visual NONE NONE VLITE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORML	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORML	Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
Odor scalar *Visual NORML NORML NORML NORML	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.6	NEG	NEG	NEG

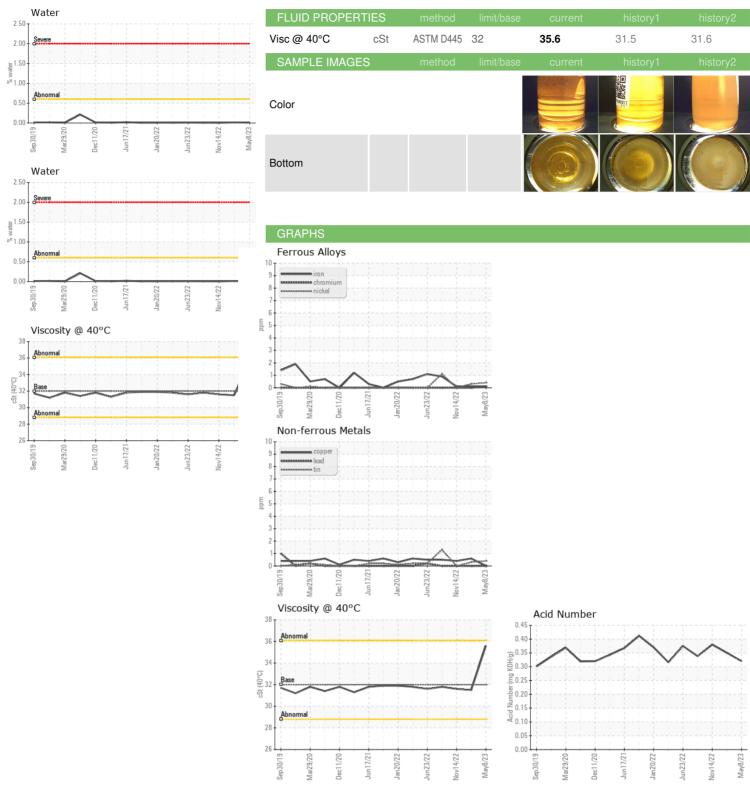
NEG

scalar *Visual

Submitted By: CHRISIEMLSON



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: 10471289 **Unique Number** Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0026911 Received : 15 May 2023 : 05847182 Diagnosed : 17 May 2023

Diagnostician : Don Baldridge

ENTERPRISE PRODUCTS - MORGAN'S POINT

1200 N BROADWAY LA PORTE, TX US 77571

Contact: JUAN HERRERA jcherrera@eprod.com

T: (832)501-4085

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)

Report Id: ENTLAPTX [WUSCAR] 05847182 (Generated: 07/17/2023 15:52:41) Rev: 1

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