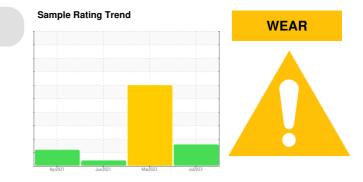


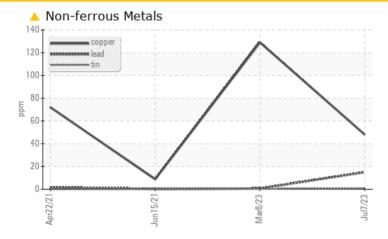
PROBLEM SUMMARY



TWIN_U2 TWIN_U2_P2

Non-Drive End Pump Fluid ROYAL PURPLE SYNFILM GT 32 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	SEVERE	ABNORMAL	
Lead	ppm	ASTM D5185m	>12	<u> </u>	<1	<1	
Copper	ppm	ASTM D5185m	>30	4 8	129	9	

Customer Id: ENEASTPA Sample No.: RP0033006 Lab Number: 05898668 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS

08 Mar 2023 Diag: Don Baldridge



WEAR

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The copper level is severe. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.



view report

15 Jun 2021 Diag: Don Baldridge

VIS DEBRIS



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

22 Apr 2021 Diag: Angela Borella

We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor. The copper level is abnormal. Bearing wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT



WEAR

Machine Id **TWIN_U2 TWIN_U2_P2** Component

Non-Drive End Pump

ROYAL PURPLE SYNFILM GT 32 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

🔺 Wear

Bearing and/or bushing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

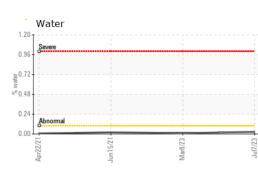
Fluid Condition

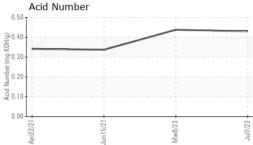
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

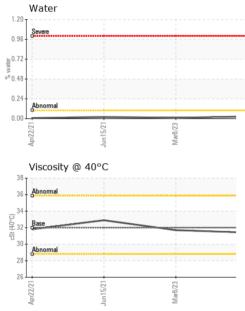
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0033006	RP0034755	RP0011512
Sample Date		Client Info		07 Jul 2023	08 Mar 2023	15 Jun 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	12	20	14
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	2	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	<1	1	<1
Lead	ppm	ASTM D5185m	>12	<mark>人</mark> 15	<1	<1
Copper	ppm	ASTM D5185m	>30	<u> </u>	129	9
Tin	ppm	ASTM D5185m	>9	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
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	11
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		71	1	57
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		2	2	6
Zinc	ppm	ASTM D5185m		11	0	6
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	2	6	<1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304		0.026	0.010	0.021
ppm Water	ppm	ASTM D6304	>.1	266.0	108.3	217.9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.43	0.438	0.337



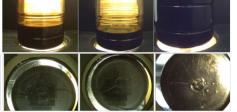
OIL ANALYSIS REPORT



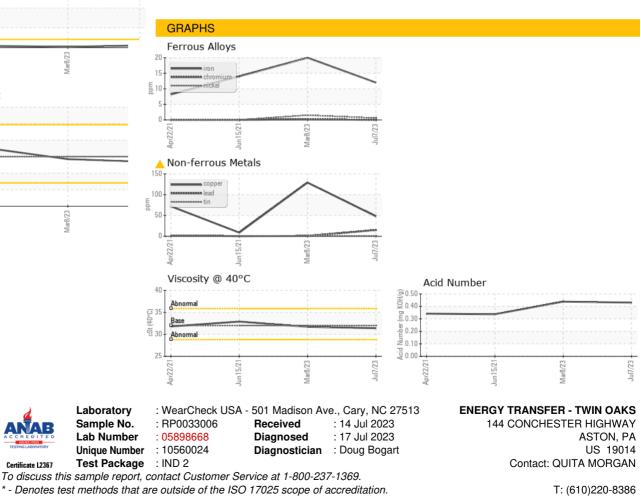




VISUAL		method	limit/base	current	history1	history2
White Metal	acalar	*Visual	NONE	NONE	NONE	VLITE
	scalar					
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	31.4	31.7	32.9
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



Bottom



* - 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)

Certificate L2367

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