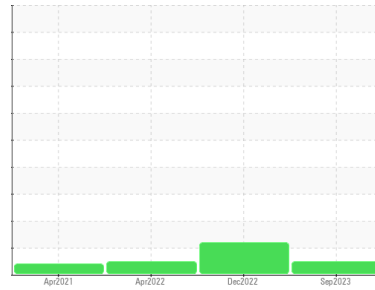




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
US03 P-0203B

Component
Thrust Bearing

Fluid
ROYAL PURPLE SYNFILM GT 46 (1 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal. The wear metal levels do not reflect the suspected wear.

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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP201218	RP201203	RP201215
Sample Date	Client Info		28 Sep 2023	06 Dec 2022	04 Apr 2022
Machine Age	hrs	Client Info	18856	15469	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	MARGINAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >85	0	0	<1
Chromium	ppm	ASTM D5185m >20	0	0	0
Nickel	ppm	ASTM D5185m >20	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >40	1	<1	0
Lead	ppm	ASTM D5185m >60	0	0	<1
Copper	ppm	ASTM D5185m >7	0	0	<1
Tin	ppm	ASTM D5185m >40	0	0	0
Antimony	ppm	ASTM D5185m	---	---	---
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
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m 95	86	82	86
Calcium	ppm	ASTM D5185m 0	1	<1	2
Phosphorus	ppm	ASTM D5185m 0	2	2	9
Zinc	ppm	ASTM D5185m 0	0	0	0

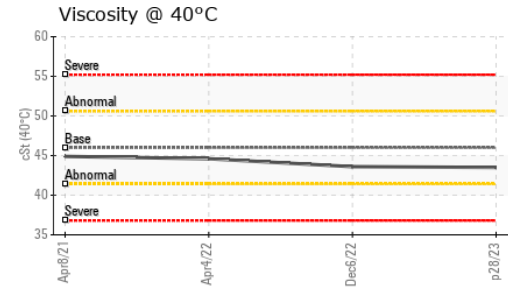
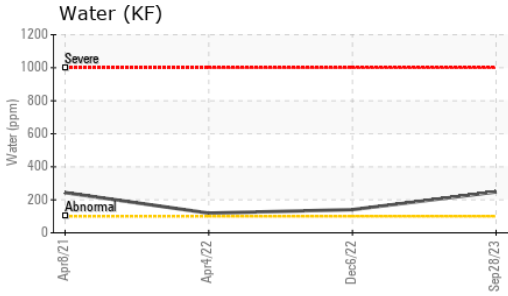
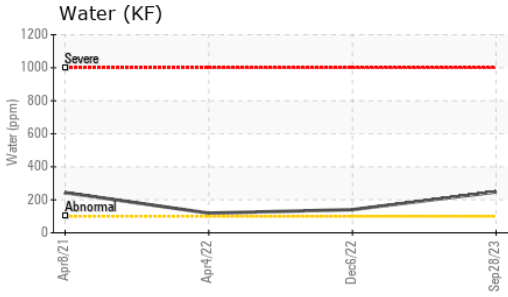
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	5	1	6
Sodium	ppm	ASTM D5185m	0	0	<1
Potassium	ppm	ASTM D5185m >20	<1	0	0
Water	%	ASTM D6304 >2	0.024	0.014	0.011
ppm Water	ppm	ASTM D6304	247.8	140.4	119.3

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.31	0.36	0.32

OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	LIGHT
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
Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46.0	43.5	43.6	44.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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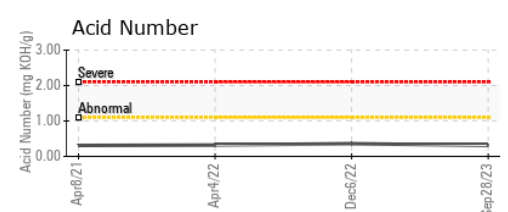
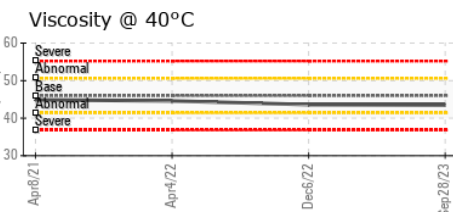
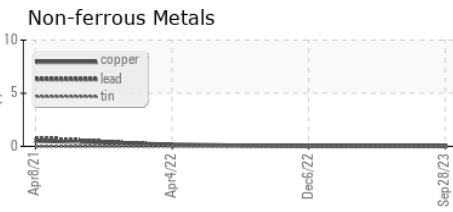
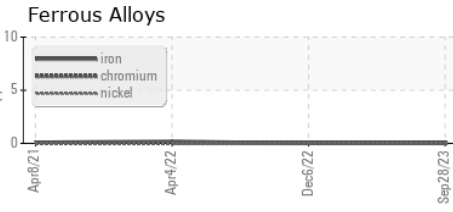
Color

Bottom

PrtFilter

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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP201218 **Received** : 02 Oct 2023
Lab Number : 05967150 **Diagnosed** : 03 Oct 2023
Unique Number : 10673701 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: FilterPatch, PrtCount)

SOUTHERN LNG
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 SAVANNAH, GA
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 F: (912)272-1703

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)