

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

C AND T MIX 2

Component **Gearbox**

ROYAL PURPLE SYNFILM GT 220 (--- QTS)

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

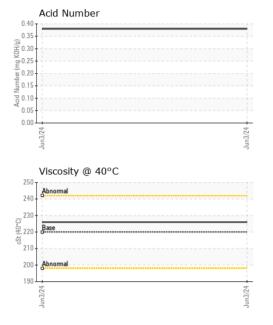
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0935368		
Sample Date		Client Info		03 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>15	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	1		
Lead	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		83		
Calcium	ppm	ASTM D5185m		87		
Phosphorus	ppm	ASTM D5185m		6		
Zinc	ppm	ASTM D5185m		3		
Sulfur	ppm	ASTM D5185m		20154		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.38		



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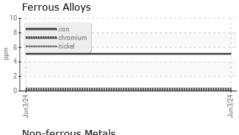
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	TIEC	method	limit/base	ourrant	hiotomyt	hiotory?
FLUID PROPER I	IIEO	method				history2

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

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GRAPHS

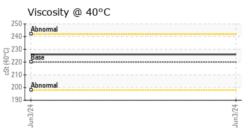
Visc @ 40°C

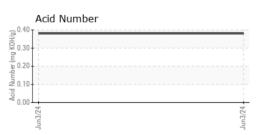


cSt

ASTM D445 220

10 T =	ion-ferrous Metals
8 -	copper i
mdd 6	mananananan tin
4 -	
2	
- 100 Jun 3/74	Jun3/24+





COBB CO MARIETTA WATER AUTHORITY





Certificate 12367

Report Id: COBMARRP [WUSCAR] 06198309 (Generated: 06/04/2024 20:46:01) Rev: 1

Laboratory Sample No.

Lab Number : 06198309 Unique Number : 11060432

Test Package : IND 2

: WC0935368

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 03 Jun 2024 **Tested** : 04 Jun 2024 Diagnosed

: 04 Jun 2024 - Wes Davis

1170 ATLANTA INDUSTRIAL DR MARIETTA, GA US 30066

Contact: Bobby Fields bfields@ccmwa.org T:

* - 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)

Contact/Location: Bobby Fields - COBMARRP

F: