

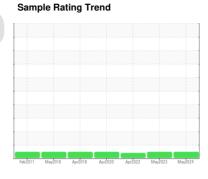
OIL ANALYSIS REPORT

Area [20590123] 812 V0701 CELL3 Component

Component **Gearbox**

Fluid

ROYAL PURPLE SYNFILM 100 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

Fluid Condition

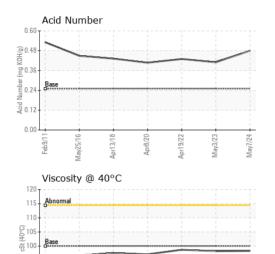
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0936642	WC0805829	WC0688003
Sample Date		Client Info		07 May 2024	03 May 2023	19 Apr 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	6	8	13
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	0
Lead	ppm	ASTM D5185m	>100	<1	<1	<1
Copper	ppm	ASTM D5185m	>200	5	4	3
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	90	8	14	22
Calcium	ppm	ASTM D5185m		4	2	3
Phosphorus	ppm	ASTM D5185m		6	3	18
Zinc	ppm	ASTM D5185m		10	13	1
Sulfur	ppm	ASTM D5185m		20988	18849	17581
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	2	3
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.48	0.41	0.43

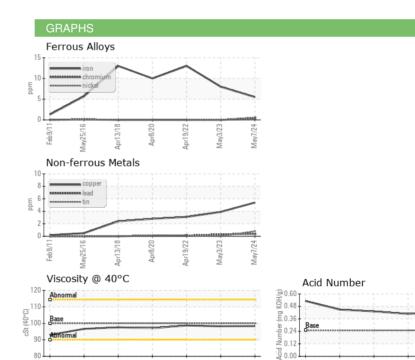


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OIL ANALYSIS REPORT



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	▲ 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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	98.3	98.2	98.7
SAMPLE IMAGES		method	limit/base	current	history1	history2







Certificate 12367

Laboratory Sample No.

Lab Number : 06183390 Unique Number : 11034716

Test Package : IND 2

: WC0936642

Color

Bottom

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

: 17 May 2024 : 20 May 2024 Diagnosed : 21 May 2024 - Don Baldridge

May3/23.

May7/24 -

THERMO FISHER 6173 East Old Marion Highway, Bldg. 806 Florence, SC

US 29506 Contact: SAM MCDOWELL sam.mcdowell@patheon.com

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.

T: (843)629-4042 F: (843)629-4553

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: ROCFLO [WUSCAR] 06183390 (Generated: 05/21/2024 19:15:11) Rev: 2

Contact/Location: SAM MCDOWELL - ROCFLO