

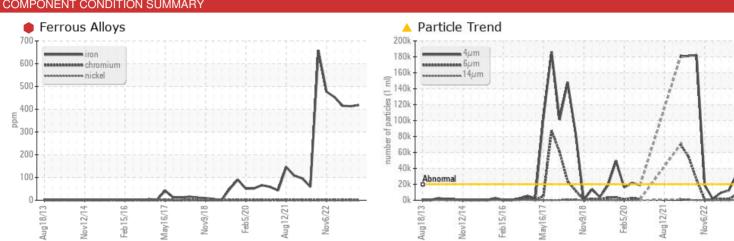
PROBLEM SUMMARY



Gearbox Fluic

ROYAL PURPLE SYNERGY 90/220 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	SEVERE	SEVERE		
Iron	ppm	ASTM D5185m	>200	e 418	4 13	4 15		
Particles >4µm		ASTM D7647	>20000	A 32253	12402	9469		
Particles >6µm		ASTM D7647	>5000	A 7328	1380	1508		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 22/20/16	21/18/13	20/18/13		

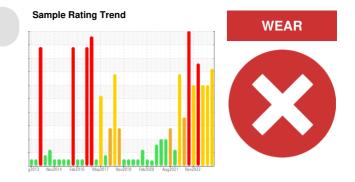
Customer Id: KIMMOBTM6 Sample No.: RP0030570 Lab Number: 06010762 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

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



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS



09 Aug 2023 Diag: Doug Bogart

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.



24 May 2023 Diag: Don Baldridge



We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.

21 Feb 2023 Diag: Don Baldridge





We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Free water present. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.



view report

view report





OIL ANALYSIS REPORT



Gearbox Fluid

ROYAL PURPLE SYNERGY 90/220 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

• Wear

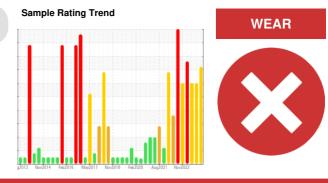
Gear wear is indicated.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

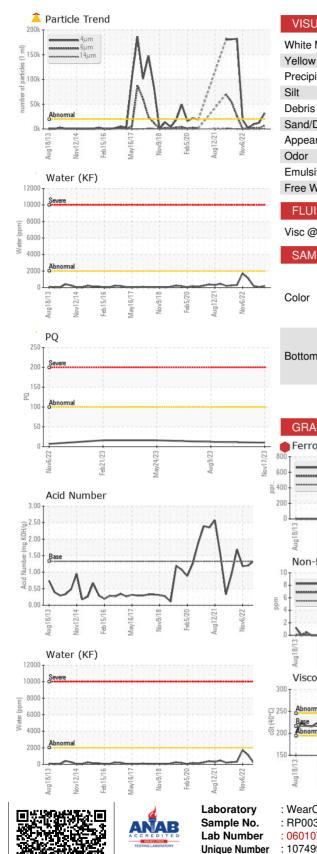


Sample Date Client Info 17 Nov 2023 09 Aug 2023 24 May 2023 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A Sample Status method Imit/base current history1 history2 PQ ASTM D5165m >15 0 <1	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A WEAR METALS method Imil/base current history1 history2 PQ ASTM D6184 10 12 16 tron ppm ASTM D6185 >200 418 413 415 Chromium ppm ASTM D6185 >200 418 413 415 Nickel ppm ASTM D6185 >15 0 0 0 Muminum ppm ASTM D5185 >25 0 <1 1 Lead ppm ASTM D5185 >200 0 <1 0 Vanadium ppm ASTM D5185 >200 0 0 0 Vanadium ppm ASTM D5185 >200 0 0 0 Cadmium ppm	Sample Number		Client Info		RP0030570	RP0034416	RP0023544
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Nickel ppm ASTM D5185m >15 0 0 0 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m >25 0 <1 1 Lead ppm ASTM D5185m >200 0 <1 0 Copper ppm ASTM D5185m >200 0 <1 0 Cadmium ppm ASTM D5185m >200 0 <1 0 Cadmium ppm ASTM D5185m 225 0 0 0 0 Cadmium ppm ASTM D5185m 0 <1 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0	Iron	ppm	ASTM D5185m	>200	418	4 13	• 415
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Copper ppm ASTM D5185m >200 0 <1	Lead		ASTM D5185m	>100	0	0	0
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	Oil Cleanliness					21/18/13	20/18/13
	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)						

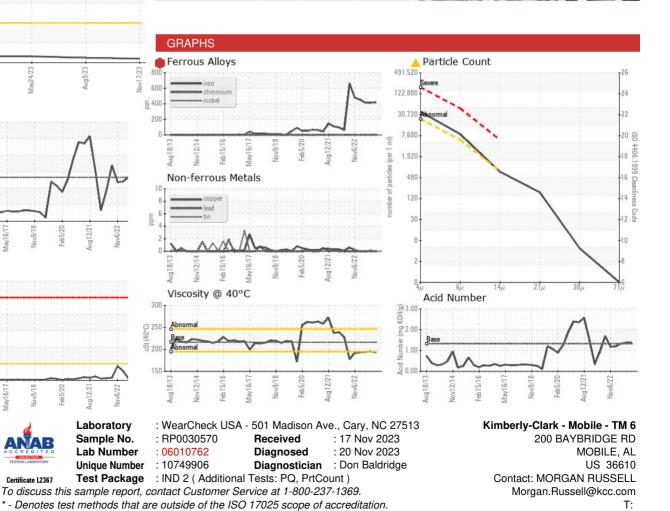


OIL ANALYSIS REPORT

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)



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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	LIGHT	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	>0.2	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	216.1	193	195	194
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color					9. Kons	
Bottom						



Report Id: KIMMOBTM6 [WUSCAR] 06010762 (Generated: 11/20/2023 17:30:32) Rev: 1

Certificate L2367

Contact/Location: MORGAN RUSSELL - KIMMOBTM6

F: (251)452-6335