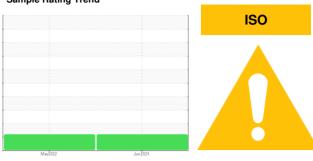


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id **DC/AI/R-141** Component Gearbox

**ROYAL PURPLE SYNFILM GT 220 (--- LTR** 

## **DIAGNOSIS**

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

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

### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

		f				
		L	May2022	Jun2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0932123	WC0695168	
Sample Date		Client Info		24 Jun 2024	30 May 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		5000	2000	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	2	3	
Chromium	ppm	ASTM D5185m	>15	0	0	
Nickel	ppm	ASTM D5185m	>15	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>100	0	0	
Copper	ppm	ASTM D5185m	>200	0	1	
Tin	ppm	ASTM D5185m	>25	0	0	
Vanadium	ppm	ASTM D5185m	720	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	7	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		13	29	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		74	69	
Calcium	ppm	ASTM D5185m		4	4	
Phosphorus		ASTM D5185m		28	37	
Zinc	ppm	ASTM D5185m		0	1	
Zilic Sulfur	ppm	ASTM D5185m		20217	20836	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>50	2	2	
Sodium		ASTM D5185m	>50	2	1	
Potassium	ppm ppm	ASTM D5185m	>20	0	0	
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>▲</b> 88868	<u> </u>	
Particles >6µm		ASTM D7647	>5000	6291	<u>^</u> 26525	
Particles >14µm		ASTM D7647	>640	74	474	
Γ.						
Particles >21µm		ASTM D7647	>160	19	108	
•		ASTM D7647 ASTM D7647	>160	19 1	108	
Particles >38µm		ASTM D7647	>40	1	11	
Particles >38μm Particles >71μm						
Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness FLUID DEGRAD	ATION	ASTM D7647 ASTM D7647	>40 >10	1 0	11 2	

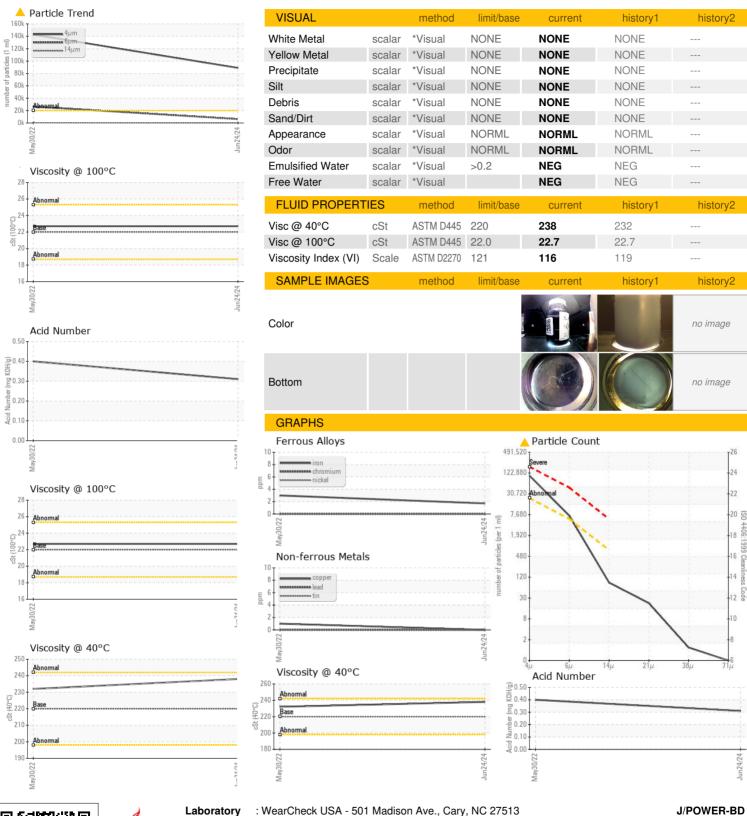
Acid Number (AN)

mg KOH/g ASTM D8045

0.40



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0932123 Received : 12 Jul 2024

**Tested** : 15 Jul 2024 : 15 Jul 2024 - Don Baldridge Diagnosed

Test Package : PLANT ( Additional Tests: KV100, VI ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: 06234880

Unique Number : 11123714

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

Contact: KENTO OKUHARA Mitsuo\_Miyahara@jpower.co.jp

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