

# **OIL ANALYSIS REPORT**

# Area TM 11 Machine Id TM 11 PRESSURE ROLL REDUCER Gearbox

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

#### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. 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.



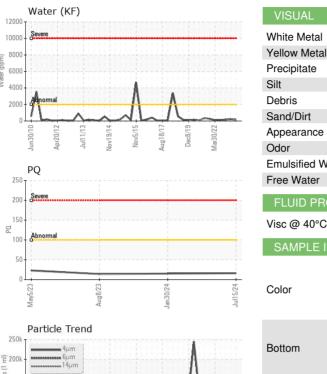
	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0038098	RP0037973	RP0034371
Sample Date		Client Info		15 Jul 2024	30 Jan 2024	08 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	15	14
Iron	ppm	ASTM D5185m	>200	11	7	67
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	4
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	2
Tin	ppm	ASTM D5185m	>25	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	9	22
Barium	ppm	ASTM D5185m		0	0	19
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		1	0	0
Calcium	ppm	ASTM D5185m		2	60	<1
Phosphorus	ppm	ASTM D5185m	370	441	401	238
Zinc	ppm	ASTM D5185m		55	56	26
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	24	17	3
Sodium	ppm	ASTM D5185m		2	2	3
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.2	0.015	0.021	0.016
ppm Water	ppm	ASTM D6304	>2000	151	219	165.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	8578	19868	▲ 129997
Particles >6µm		ASTM D7647	>5000	3001	6 5005	<b>41343</b>
Particles >14µm		ASTM D7647	>640	547	503	<b>1</b> 992
Particles >21µm		ASTM D7647	>160	148	130	▲ 592
· •		ASTM D7647	>40	7	8	29
Particles >38µm						0
		ASTM D7647	>10	1	1	2
Particles >38µm		ASTM D7647 ISO 4406 (c)	>10 >21/19/16	1 20/19/16	1	2 <u> 24/23/18</u>
Particles >38µm Particles >71µm						

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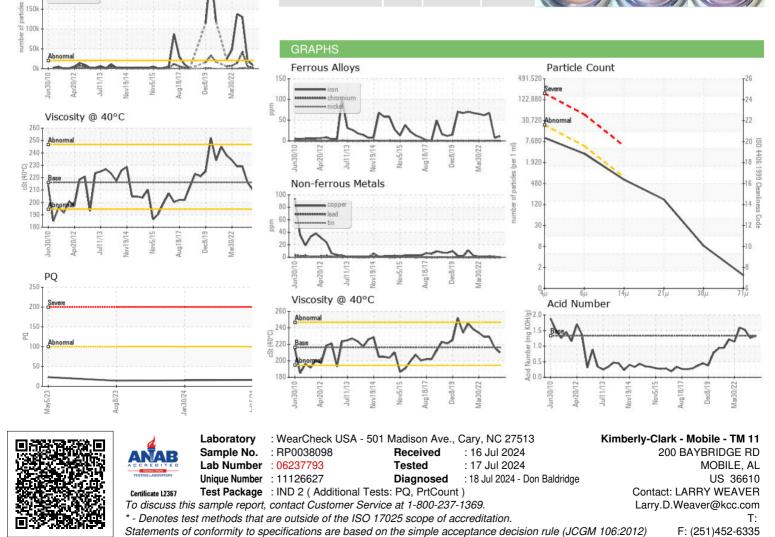


Water (ppm)

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