

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



No. 1 Paper Machine Machine Id Ma

1 PM 2ND Cal. King Roll Drive Str.#58 (S/N MO27565-32)

Component Gear Unit

ROYAL PURPLE SYNERGY 90/220 (19 GAL)

DIAGNOSIS Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

Fluid Condition

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

SAMPLE INFORMATION	method				
-)	lar2007 Jan2018	Aug2018 Mar2019	Jan2020 May2021	0ct2022	Sep 202
3 (S/N MO27565-32)					
SIS REPORT					
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SAMPLE INFORM	VIATION	method	ilmit/base	current	nistory i	nistory2
Sample Number		Client Info		RP0038227	RP0031082	RP0031062
Sample Date		Client Info		29 Sep 2023	20 Mar 2023	27 Dec 2022
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	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	2	1	8
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	<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	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	3	0
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m	370	68	62	73
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	4	4
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304		0.003	0.010	0.008
ppm Water	ppm	ASTM D6304	>1000	38.8	108.0	80.3
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	1498	2313	2696
Particles >6µm		ASTM D7647	>5000	228	229	219
Particles >14µm		ASTM D7647	>640	23	12	2
Particles >21µm		ASTM D7647		7	5	1
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/15/12	18/15/11	19/15/9
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.33	0.38	0.36	0.380



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