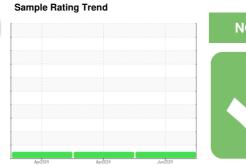


OIL ANALYSIS REPORT

Paper Machine Refiner #2

Gearbox

MOBIL MOBILGEAR 600 XP 220 (--- GAL)





Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

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.

		Ap	2024	Apr2024 Jun20	024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0776536	WC0776651	WC0776381
Sample Date		Client Info		06 Jun 2024	28 Apr 2024	01 Apr 2024
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	>200	2	1	3
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	0	3
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	0	0	<1
Tin	ppm	ASTM D5185m	>25	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		10	30	32
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		1	1	<1
Calcium	ppm	ASTM D5185m		2	3	4
Phosphorus	ppm	ASTM D5185m		332	331	347
Zinc	ppm	ASTM D5185m		12	18	4
Sulfur	ppm	ASTM D5185m		19115	17843	18351
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	7	3
Sodium	ppm	ASTM D5185m		2	3	2
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water	%	ASTM D6304	>0.2	0.010	0.013	0.008
ppm Water	ppm	ASTM D6304	>2000	110	137	84
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	1492	376	369
Particles >6µm		ASTM D7647	>5000	175	134	80
Particles >14µm		ASTM D7647	>640	8	9	8
Particles >21µm		ASTM D7647	>160	2	2	3
Particles >38µm		ASTM D7647	>40	0	0	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/15/10	16/14/10	16/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.70	0.85	0.85



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: WC0776536

Test Package : PLANT

: 06204629 Unique Number : 11072090

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 **Tested** : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Wes Davis

US 23005 Contact: MARC-ANDRE HUBERT marc-andre_hubert@cascades.com

10026 OLD RIDGE ROAD

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.

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

Report Id: CASASH [WUSCAR] 06204629 (Generated: 06/11/2024 19:42:55) Rev: 1

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ASHLAND, VA