

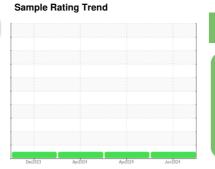
OIL ANALYSIS REPORT

Area

Paper Machine Refiner #1

Gearbox

MOBIL MOBILGEAR 600 XP 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.

		Dec202	3 AprŽ024	Apr2024 J	un2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0776537	WC0776650	WC0776380
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	0	<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	0	0	3
Lead	ppm	ASTM D5185m	>100	0	<1	<1
Copper	ppm	ASTM D5185m	>200	0	<1	<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		35	33	29
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	0	<1
Calcium	ppm	ASTM D5185m		2	0	4
Phosphorus	ppm	ASTM D5185m		349	340	349
Zinc	ppm	ASTM D5185m		13	4	5
Sulfur	ppm	ASTM D5185m		18348	17046	18703
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	3	3
Sodium	ppm	ASTM D5185m		5	4	2
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water	%	ASTM D6304	>0.2	0.006	0.013	0.007
ppm Water	ppm	ASTM D6304	>2000	64	132	70
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2793	907	376
Particles >6µm		ASTM D7647	>5000	147	136	93
Particles >14µm		ASTM D7647	>640	8	8	11
Particles >21µm		ASTM D7647	>160	4	3	4
Particles >38µm		ASTM D7647	>40	2	1	0
Particles >71μm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/14/10	17/14/10	16/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.81	1.014	0.84



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: 06204622 Unique Number : 11072083

: WC0776537 Test Package : PLANT

Received : 10 Jun 2024 **Tested** : 12 Jun 2024

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

Diagnosed : 12 Jun 2024 - Doug Bogart

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

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.

Report Id: CASASH [WUSCAR] 06204622 (Generated: 06/12/2024 18:17:38) Rev: 1

Submitted By: MARC-ANDRE HUBERT

F:

ASHLAND, VA