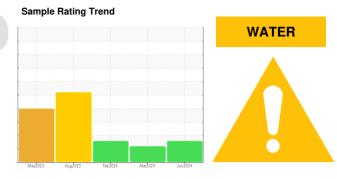


# **OIL ANALYSIS REPORT**

# **Paper Machine** #3 Dryer Section Drive Gearbox Gearbox

**MOBIL MOBILGEAR SHC 320 (--- GAL)** 



# **DIAGNOSIS**

### Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor. There is too much water present in this sample to perform a particle count.

All component wear rates are normal.

## Contamination

There is a moderate concentration of water present in the oil.

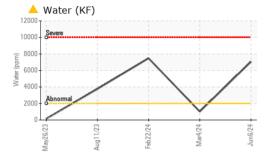
### **Fluid Condition**

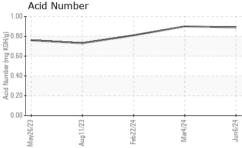
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

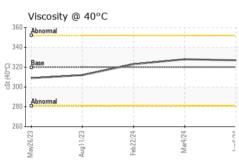
SAMPLE INFORM	ΛΔΤΙΩΝ	method	limit/base	current	history1	history2
57 IIII 22 II II 51 III	MATION		IIIIIIVDase			
Sample Number		Client Info		WC0776532	WC0776520	WC0776356
Sample Date	la una	Client Info		06 Jun 2024	04 Mar 2024	22 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Obanand	hrs	Client Info		·	N/A	N/A
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	9	3	13
Chromium	ppm	ASTM D5185m		0	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		<1	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m		<1	0	2
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	19	47
Barium	ppm	ASTM D5185m		<1	1	6
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	2	<1
Calcium	ppm	ASTM D5185m		1	2	2
Phosphorus	ppm	ASTM D5185m		404	428	307
Zinc	ppm	ASTM D5185m		12	10	9
Sulfur	ppm	ASTM D5185m		3004	2078	2292
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9	10	10
Sodium	ppm	ASTM D5185m		4	11	25
Potassium	ppm	ASTM D5185m	>20	3	0	3
Water	%	ASTM D6304	>0.2	<b>0.705</b>	0.102	<b>△</b> 0.747
ppm Water	ppm	ASTM D6304	>2000	<b>^</b> 7050	1020	<u></u> 4470 ∧
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000		<u></u> 75744	
Particles >6µm		ASTM D7647	>5000		<u>▲</u> 10677	
Particles >14μm		ASTM D7647	>640		106	
Particles >21µm		ASTM D7647	>160		21	
Particles >38µm		ASTM D7647	>40		8	
			40		0	
Particles >71µm		ASTM D7647	>10		8	
•		ASTM D7647 ISO 4406 (c)	>10 >21/19/16		8 <u>23/21/14</u>	
Particles >71μm	TION					

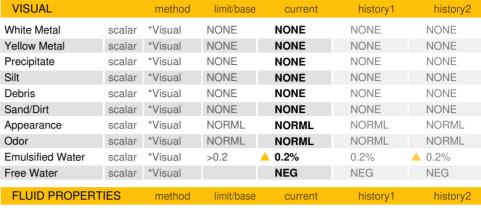


# **OIL ANALYSIS REPORT**









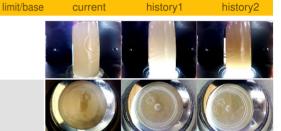
Visc @ 40°C	
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method

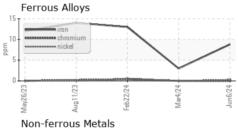
Color

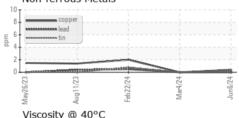
SAMPLE IMAGES

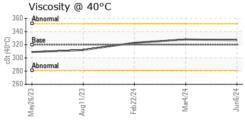


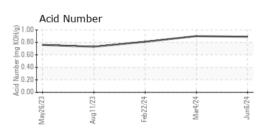


### **GRAPHS**













Certificate 12367

Laboratory Sample No.

Test Package : PLANT

: WC0776532 Lab Number : 06204639 Unique Number : 11072100

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

: 12 Jun 2024 Diagnosed : 12 Jun 2024 - Doug Bogart

CASCADES CONTAINERBOARD PACKAGING - BEARPACK PROJECT

10026 OLD RIDGE ROAD ASHLAND, VA US 23005

Contact: MARC-ANDRE HUBERT marc-andre\_hubert@cascades.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - 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)

T:

F: