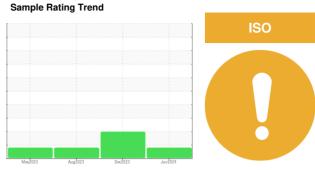


# **OIL ANALYSIS REPORT**

# **Paper Machine** Vacuum Pump #4 Gearbox 46-245-008

Gearbox

**MOBIL MOBILGEAR SHC 220 (55 GAL)** 



### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

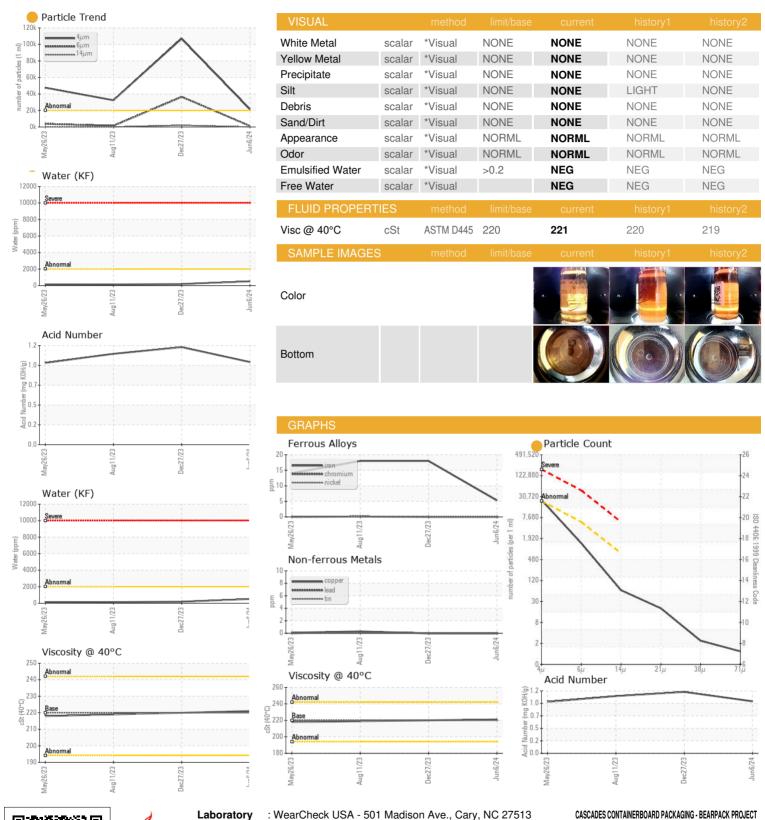
### **Fluid Condition**

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

		May202	3 Aug2023	Dec2023 J	un2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0776470	WC0776608	WC0776538
Sample Date		Client Info		06 Jun 2024	27 Dec 2023	11 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				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5	18	18
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	<1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	0	0	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	20	12
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	2
Calcium	ppm	ASTM D5185m		<1	2	0
Phosphorus	ppm	ASTM D5185m		465	424	470
Zinc	ppm	ASTM D5185m		8	1	<1
Sulfur	ppm	ASTM D5185m		2646	2833	3424
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	23	36	28
Sodium	ppm	ASTM D5185m		1	0	1
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water	%	ASTM D6304	>0.2	0.051	0.018	0.013
ppm Water	ppm	ASTM D6304	>2000	510	183	132.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>21424</b>	<b>▲</b> 107036	32409
Particles >6µm		ASTM D7647	>5000	1239	<u>▲</u> 36530	1507
Particles >14µm		ASTM D7647	>640	56	<b>2</b> 073	30
Particles >21µm		ASTM D7647	>160	17	<b>474</b>	6
Particles >38µm		ASTM D7647	>40	2	10	0
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>22/17/13</b>	<u>4</u> 24/22/18	22/18/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.00	1.18	1.10



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: WC0776470 : 06204641 Unique Number : 11072102 Test Package : PLANT

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

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

ASHLAND, VA 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] 06204641 (Generated: 06/12/2024 18:21:59) Rev: 1

Submitted By: MARC-ANDRE HUBERT

T:

F: