

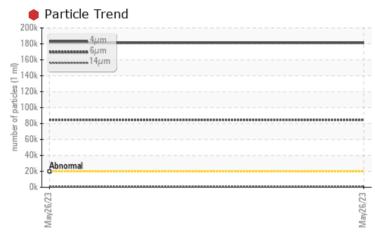
# **PROBLEM SUMMARY**

#### Area **Paper Machine** Machine Id **#2 Dryer Section Drive Gearbox** Component

Gearbox

MOBIL MOBILGEAR SHC 320 (--- GAL)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	 
Particles >4µm	ASTM D7647	>20000	🛑 181260	 
Particles >6µm	ASTM D7647	>5000	<b>e</b> 84601	 
Particles >14µm	ASTM D7647	>640	<u> </u>	 
Oil Cleanliness	ISO 4406 (c)	>21/19/16	• 25/24/17	 

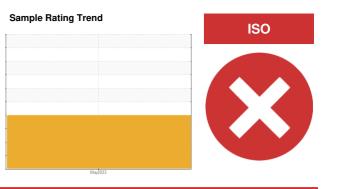
Customer Id: CASASH Sample No.: WC0776587 Lab Number: 05867273 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED ACTIONS								
Action	Status	Date	Done By	Description				
Change Filter	MISSED	Aug 18 2023	?	We recommend you service the filters on this component.				
Resample	MISSED	Aug 18 2023	?	Resample in 30-45 days to monitor this situation.				
Information Required	MISSED	Aug 18 2023	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.				
Check Breathers	MISSED	Aug 18 2023	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.				
Check Seals	MISSED	Aug 18 2023	?	Check seals and/or filters for points of contaminant entry.				

HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

## Paper Machine **#2 Dryer Section Drive Gearbox** Component

Gearbox Fluic MOBIL MOBILGEAR SHC 320 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

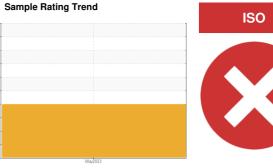
All component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

#### Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



X

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0776587		
Sample Date		Client Info		26 May 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	40		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>15	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	5		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m	220	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	innibacco	6		
Barium	ppm	ASTM D5185m		0		
Molybdenum		ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		، <1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		5		
	ppm			457		
Phosphorus	ppm	ASTM D5185m		-		
Zinc	ppm	ASTM D5185m		8		
Sulfur	ppm	ASTM D5185m		4326		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	19		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.2	0.008		
ppm Water	ppm	ASTM D6304	>2000	89.4		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>181260</b>		
Particles >6µm		ASTM D7647	>5000	<b>e</b> 84601		
Particles >14µm		ASTM D7647	>640	<u> </u>		
Particles >21µm		ASTM D7647	>160	80		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	25/24/17		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.82		

Submitted By: MARC-ANDRE HUBERT



# **OIL ANALYSIS REPORT**

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

289

Particle Count

Acid Number

480

120

0.2

0.0

no image

no image

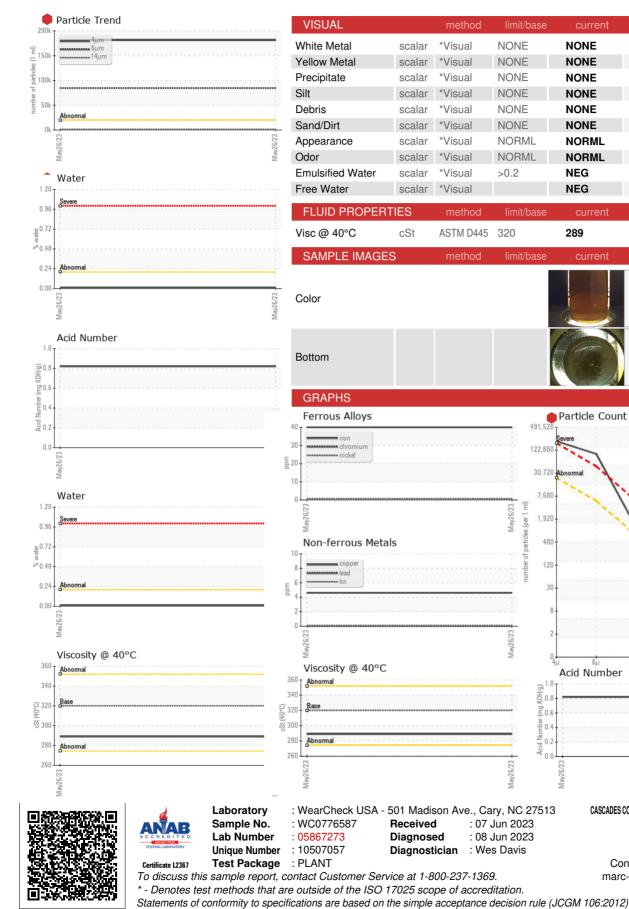
no image

no image

4406

:1999 Cle

14



CASCADES CONTAINERBOARD PACKAGING - BEARPACK PROJECT

214

38

Submitted By: MARC-ANDRE HUBERT