

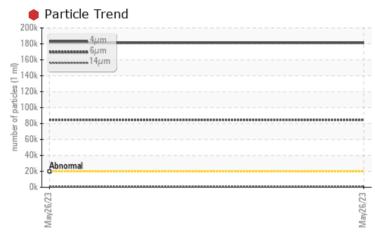
PROBLEM SUMMARY

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	e 84601	
Particles >14µm	ASTM D7647	>640	<u> </u>	
Oil Cleanliness	ISO 4406 (c)	>21/19/16	• 25/24/17	

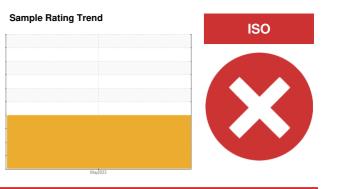
Customer Id: CASASH Sample No.: WC0776587 Lab Number: 05867273 Test Package: PLANT



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

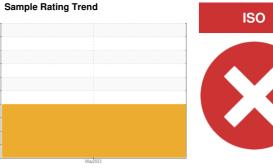
All component wear rates are normal.

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	181260		
Particles >6µm		ASTM D7647	>5000	e 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

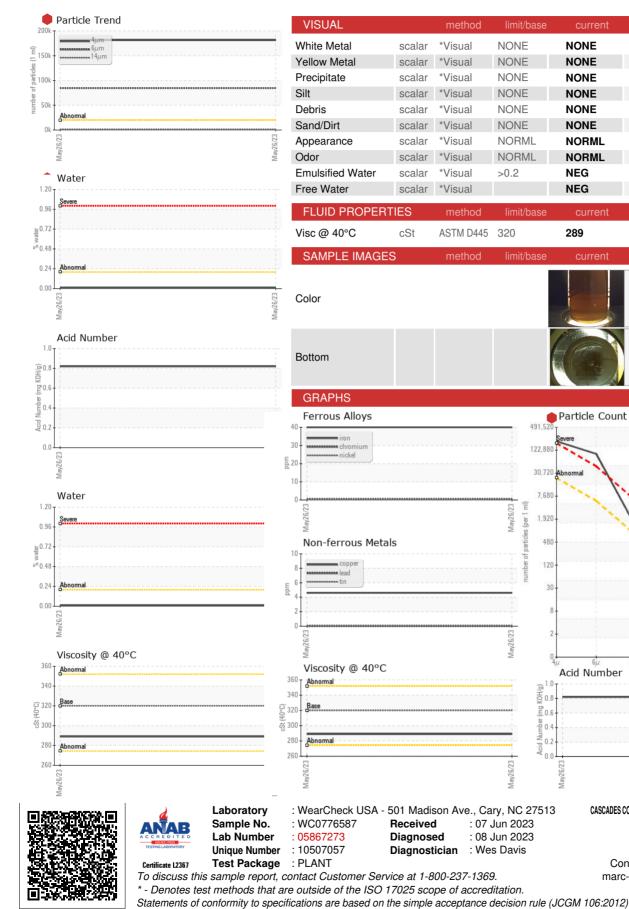
no image

no image

4406

:1999 Cle

14



CASCADES CONTAINERBOARD PACKAGING - BEARPACK PROJECT

214

38

Submitted By: MARC-ANDRE HUBERT