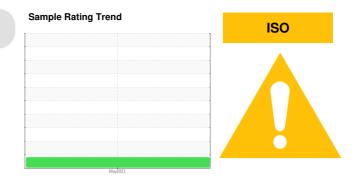


PROBLEM SUMMARY

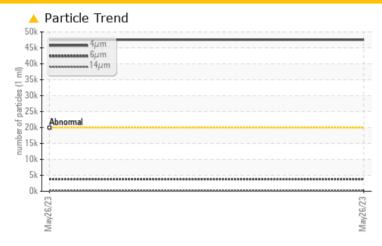
Paper Machine Vacuum Pump #4 Gearbox Component

Gearbox

MOBIL MOBILGEAR SHC 220 (55 GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

PROBLEMATIC T	EST RESULTS			
Sample Status			ABNORMAL	
Particles >4µm	ASTM D7647	>20000	47556	
Oil Cleanliness	ISO 4406 (c)	>21/19/16	A 23/19/14	

Customer Id: CASASH Sample No.: WC0776581 Lab Number: 05867286 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	?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS

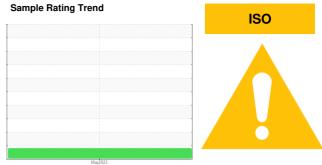


OIL ANALYSIS REPORT

Paper Machine Vacuum Pump #4 Gearbox

Gearbox

MOBIL MOBILGEAR SHC 220 (55 GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

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

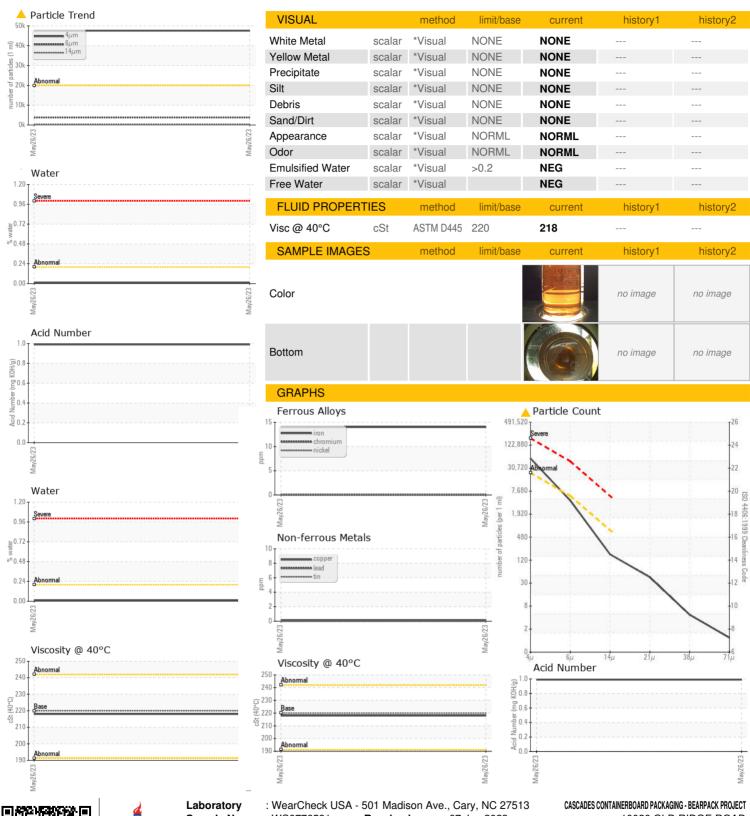
Fluid Condition

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

				May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0776581		
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				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	14		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		466		
Zinc	ppm	ASTM D5185m		<1		
Sulfur	ppm	ASTM D5185m		3493		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	22		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.2	0.011		
ppm Water	ppm	ASTM D6304	>2000	111.6		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	47556		
Particles >6µm		ASTM D7647	>5000	3805		
Particles >14μm		ASTM D7647	>640	150		
Particles >21µm		ASTM D7647	>160	38		
Particles >38µm		ASTM D7647	>40	4		
Particles >71µm		ASTM D7647	>10	1		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	23/19/14		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.99		



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number

Unique Number

: WC0776581 : 05867286 : 10507070 Test Package : PLANT

: 07 Jun 2023 Received Diagnosed : 08 Jun 2023

: Wes Davis Diagnostician

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: