



PROBLEM SUMMARY

Sample Rating Trend

ISO



Area
Paper Machine
 Machine Id
Vacuum Pump #8 Gearbox
 Component
Gearbox
 Fluid
MOBIL MOBILGEAR SHC 220 (35 GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>20000	▲ 40612	---	---
Particles >6µm	ASTM D7647	>5000	▲ 5520	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 23/20/14	---	---

Customer Id: CASASH
 Sample No.: WC0776636
 Lab Number: 05867275
 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

Sample Rating Trend



ISO

Area
Paper Machine
 Machine Id
Vacuum Pump #8 Gearbox
 Component
Gearbox
 Fluid
MOBIL MOBILGEAR SHC 220 (35 GAL)

DIAGNOSIS

Recommendation

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

Wear

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0776636	---	---
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	11	---	---
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	2	---	---
Barium ppm	ASTM D5185m	0	---	---
Molybdenum ppm	ASTM D5185m	0	---	---
Manganese ppm	ASTM D5185m	<1	---	---
Magnesium ppm	ASTM D5185m	1	---	---
Calcium ppm	ASTM D5185m	<1	---	---
Phosphorus ppm	ASTM D5185m	464	---	---
Zinc ppm	ASTM D5185m	0	---	---
Sulfur ppm	ASTM D5185m	3582	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	18	---	---
Sodium ppm	ASTM D5185m	0	---	---
Potassium ppm	ASTM D5185m >20	1	---	---
Water %	ASTM D6304 >0.2	0.008	---	---
ppm Water ppm	ASTM D6304 >2000	84.1	---	---

FLUID CLEANLINESS

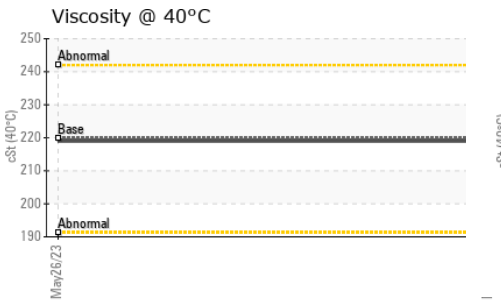
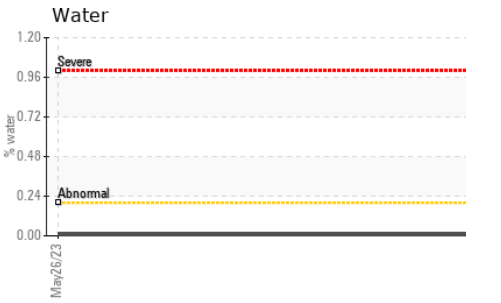
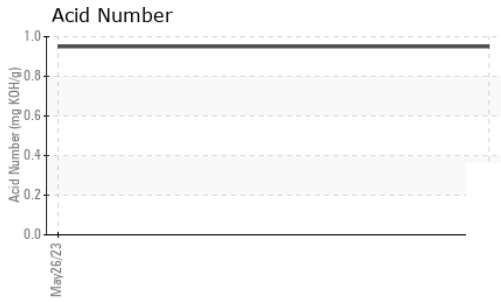
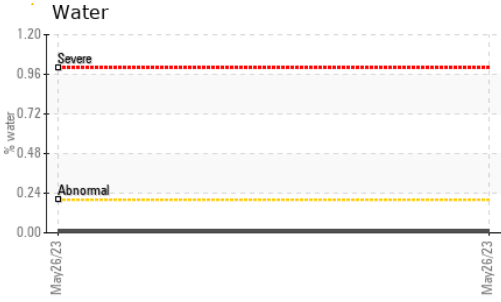
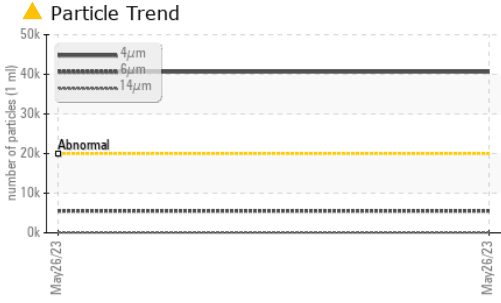
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	▲ 40612	---	---
Particles >6µm	ASTM D7647 >5000	▲ 5520	---	---
Particles >14µm	ASTM D7647 >640	97	---	---
Particles >21µm	ASTM D7647 >160	15	---	---
Particles >38µm	ASTM D7647 >40	1	---	---
Particles >71µm	ASTM D7647 >10	0	---	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	▲ 23/20/14	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	0.95	---	---



OIL ANALYSIS REPORT



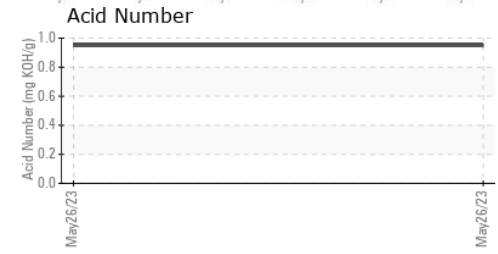
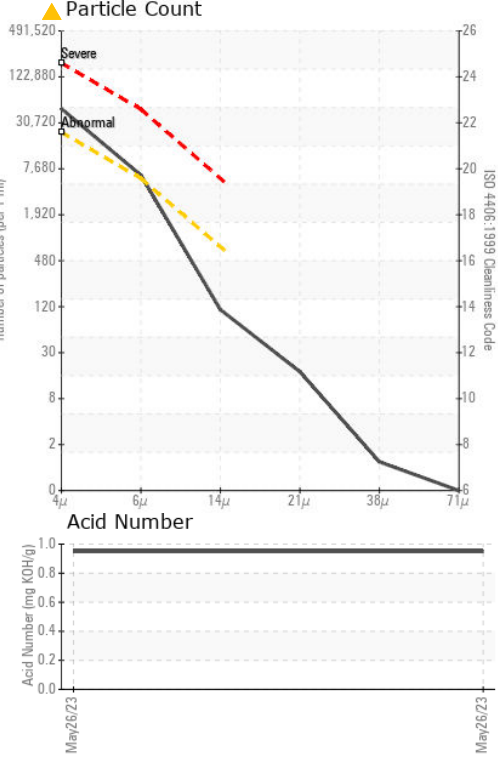
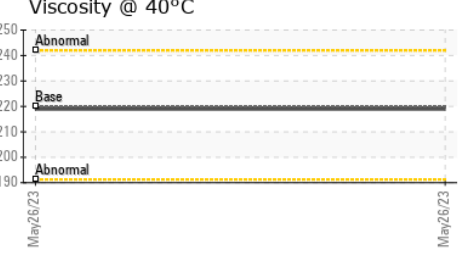
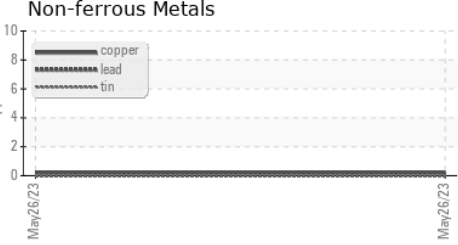
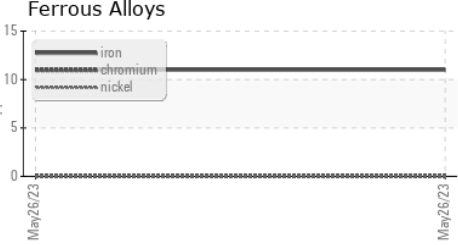
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	219	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0776636 **Received** : 07 Jun 2023
Lab Number : **05867275** **Diagnosed** : 08 Jun 2023
Unique Number : 10507059 **Diagnostician** : Wes Davis
Test Package : PLANT

CASCADES CONTAINERBOARD PACKAGING - BEARPACK PROJECT
 10026 OLD RIDGE ROAD
 ASHLAND, VA
 US 23005
 Contact: MARC-ANDRE HUBERT
 marc-andre_hubert@cascades.com
 T:
 F:

Certificate L2367
 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)