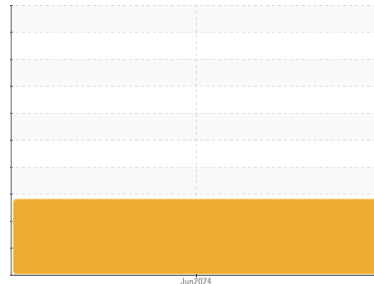




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**BOBST 2 (S/N 057403605)**  
 Component  
**Circulating System**  
 Fluid  
**MOBIL MOBILGEAR SHC 220 (55 GAL)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PH0002724</b>	---	---
Sample Date	Client Info			<b>26 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>Filtered</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			<b>NEG</b>	---	---

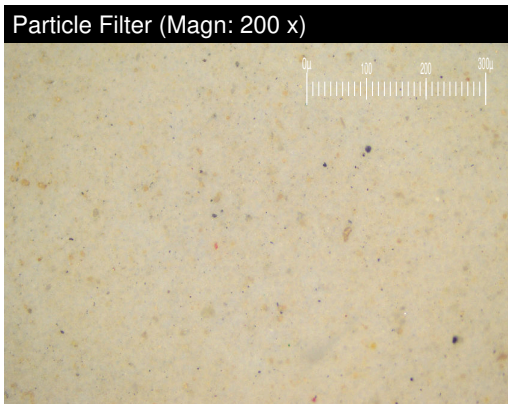
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<b>31</b>	---	---
Chromium	ppm	ASTM D5185m		<b>0</b>	---	---
Nickel	ppm	ASTM D5185m		<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m		<b>1</b>	---	---
Lead	ppm	ASTM D5185m		<b>2</b>	---	---
Copper	ppm	ASTM D5185m		<b>3</b>	---	---
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	---	---
Calcium	ppm	ASTM D5185m		<b>7</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>196</b>	---	---
Zinc	ppm	ASTM D5185m		<b>14</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>9852</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<b>4</b>	---	---
Sodium	ppm	ASTM D5185m		<b>8</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---	---

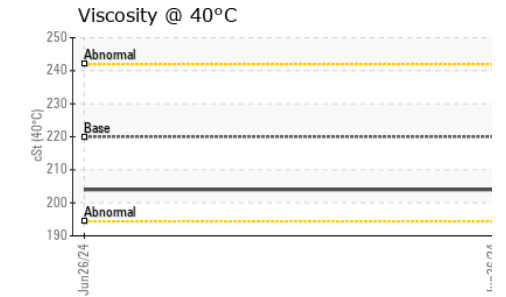
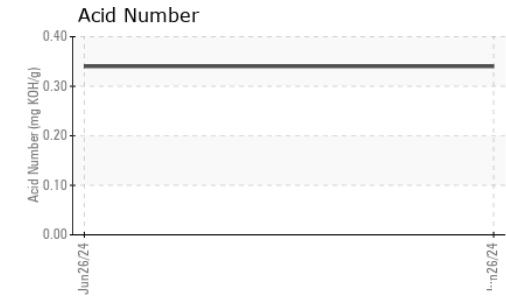
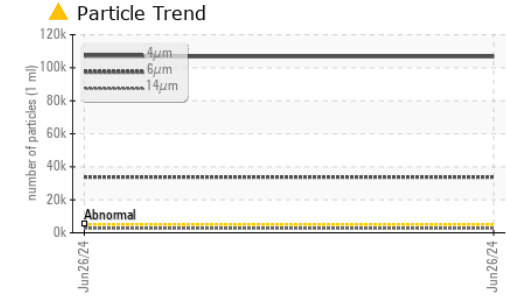
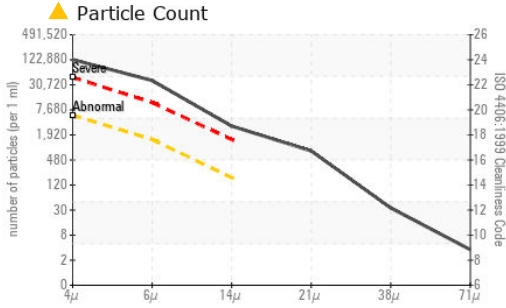
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000		<b>▲ 106749</b>	---	---
Particles >6µm	ASTM D7647	>1300		<b>▲ 33769</b>	---	---
Particles >14µm	ASTM D7647	>160		<b>▲ 2731</b>	---	---
Particles >21µm	ASTM D7647	>40		<b>▲ 695</b>	---	---
Particles >38µm	ASTM D7647	>10		<b>▲ 30</b>	---	---
Particles >71µm	ASTM D7647	>3		<b>▲ 3</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14		<b>▲ 24/22/19</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.34</b>	---	---





# OIL ANALYSIS REPORT



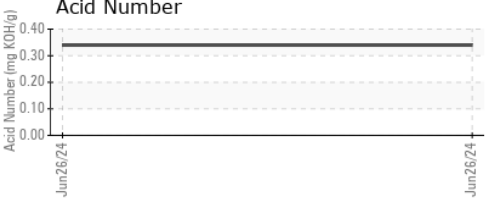
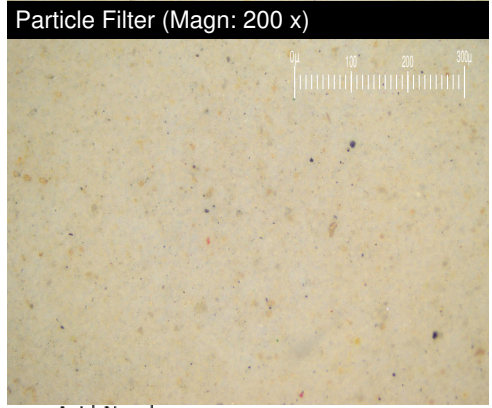
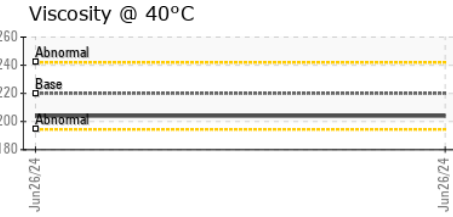
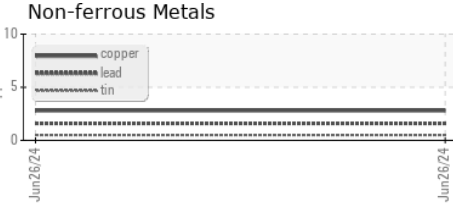
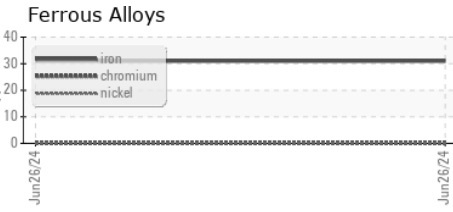
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	220	204	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PH0002724      **Received** : 16 Jul 2024  
**Lab Number** : 06238371      **Tested** : 19 Jul 2024  
**Unique Number** : 11127205      **Diagnosed** : 19 Jul 2024 - Jonathan Hester  
**Test Package** : PLANT ( Additional Tests: PrtFilter )

**WESTROCK**  
 1100 PIDCO DR  
 PLYMOUTH, IN  
 US 46563  
 Contact: Service Manager

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: