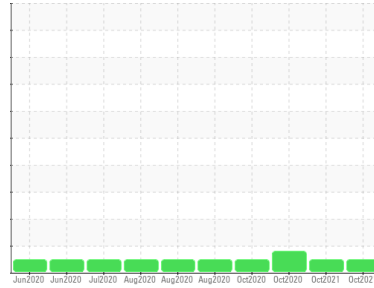


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**2002432 (S/N 361)**

Component  
**Gearbox**

Fluid  
**SHELL OMALA 150 S2 (20 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination 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>PCA0036213</b>	PCA0036218	PCA0026272
Sample Date	Client Info	<b>27 Oct 2021</b>	12 Oct 2021	12 Oct 2020
Machine Age	hrs	<b>3992</b>	3814	2507
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >200	<b>89</b>	159	▲ 282
Chromium ppm	ASTM D5185m >10	<b>1</b>	2	4
Nickel ppm	ASTM D5185m	<b>2</b>	<1	1
Titanium ppm	ASTM D5185m	<b>&lt;1</b>	1	5
Silver ppm	ASTM D5185m	<b>0</b>	13	<1
Aluminum ppm	ASTM D5185m >25	<b>&lt;1</b>	4	0
Lead ppm	ASTM D5185m >50	<b>&lt;1</b>	0	<1
Copper ppm	ASTM D5185m >200	<b>6</b>	3	13
Tin ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Antimony ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Vanadium ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Cadmium ppm	ASTM D5185m	<b>0</b>	<1	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	<b>9</b>	15	3
Barium ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum ppm	ASTM D5185m	<b>&lt;1</b>	<1	1
Manganese ppm	ASTM D5185m	<b>&lt;1</b>	1	1
Magnesium ppm	ASTM D5185m	<b>0</b>	4	10
Calcium ppm	ASTM D5185m	<b>0</b>	19	68
Phosphorus ppm	ASTM D5185m	<b>414</b>	361	283
Zinc ppm	ASTM D5185m	<b>4</b>	19	7
Sulfur ppm	ASTM D5185m	<b>4690</b>	4996	8853

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	<b>6</b>	14	20
Sodium ppm	ASTM D5185m	<b>1</b>	1	<1
Potassium ppm	ASTM D5185m >20	<b>2</b>	0	<1

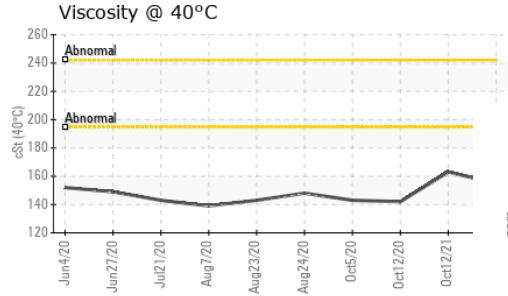
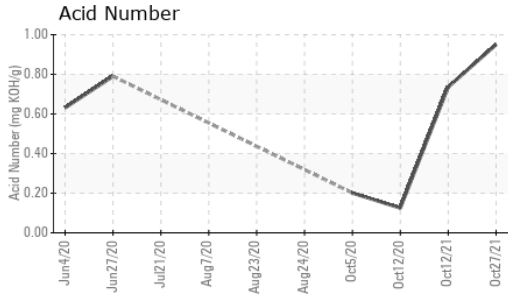
### FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	<b>0.950</b>	0.736	0.125

### VISUAL

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

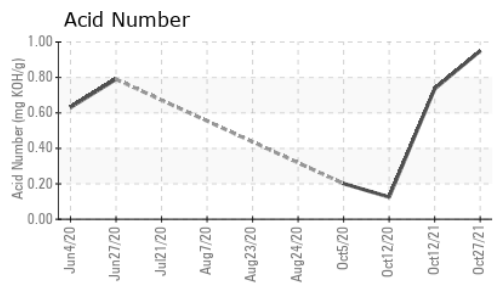
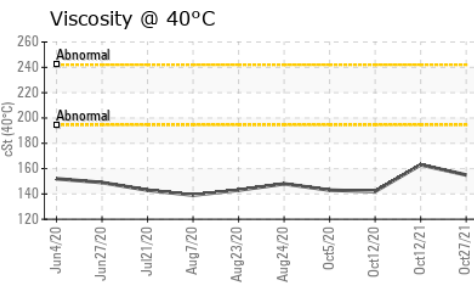
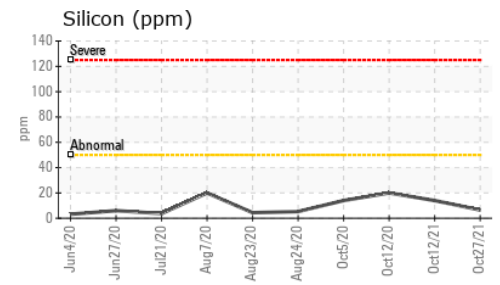
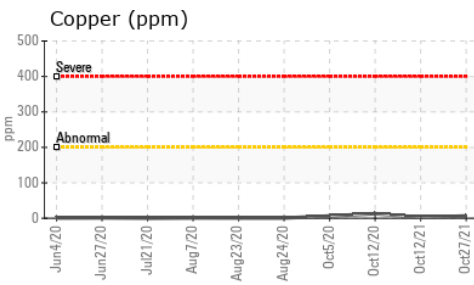
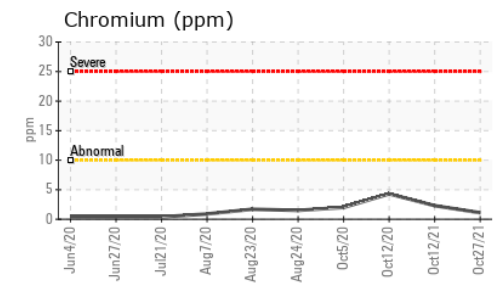
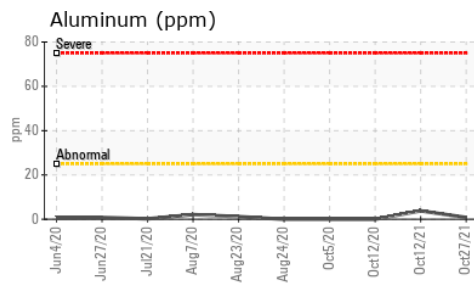
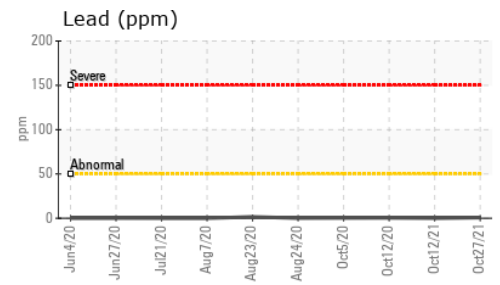
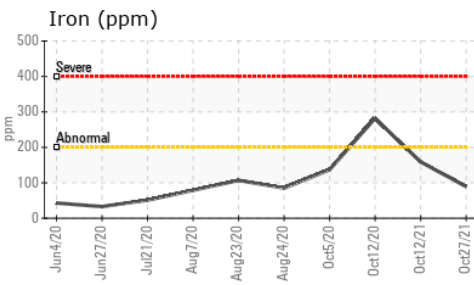
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>155</b>	163	142

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0036213 **Received** : 02 Nov 2021  
**Lab Number** : 05388960 **Diagnosed** : 03 Nov 2021  
**Unique Number** : 9723093 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2

**BAUER FOUNDATION**  
 3001 EVERCANE RD  
 CLEWISTON, FL  
 US 33440  
 Contact: Dirk Schafer  
 dirk.schafer@bauerfoundations.com  
 T: (562)204-4302  
 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)