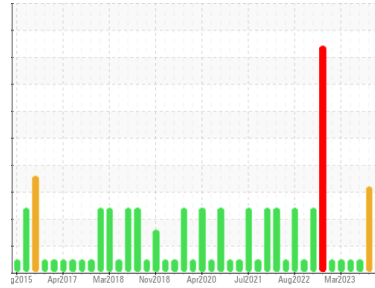




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**H/R JAW CRUSHER 5011 BARREL**

Component  
**Gearbox**  
Fluid  
**SHELL OMALA S2 G 220 (45 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0760477</b>	WC0760479	WC0819308
Sample Date	Client Info		<b>14 Jul 2023</b>	20 Jun 2023	25 May 2023
Machine Age	hrs	Client Info	<b>18921</b>	18800	18667
Oil Age	hrs	Client Info	<b>62</b>	410	277
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>66</b>	▲ 235	171
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>6</b>	▲ 18	10
Lead	ppm	ASTM D5185m >50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >200	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 4.4	<b>2</b>	<1	<1
Barium	ppm	ASTM D5185m 0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	3	2
Magnesium	ppm	ASTM D5185m 0	<b>0</b>	3	2
Calcium	ppm	ASTM D5185m 0	<b>0</b>	8	4
Phosphorus	ppm	ASTM D5185m 215	<b>299</b>	320	280
Zinc	ppm	ASTM D5185m 0	<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m 7039	<b>11404</b>	15310	13533

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>25</b>	▲ 54	31
Sodium	ppm	ASTM D5185m	<b>0</b>	5	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	3	3

## VISUAL

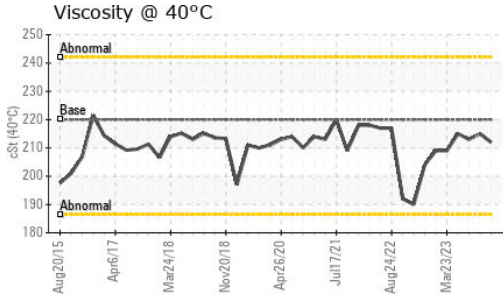
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 220	<b>212</b>	215	213

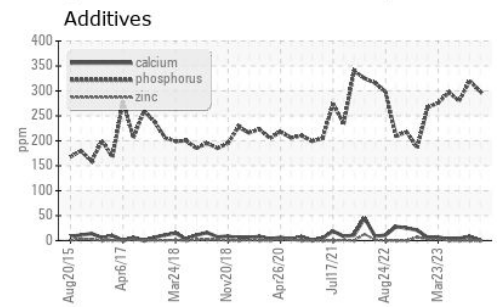
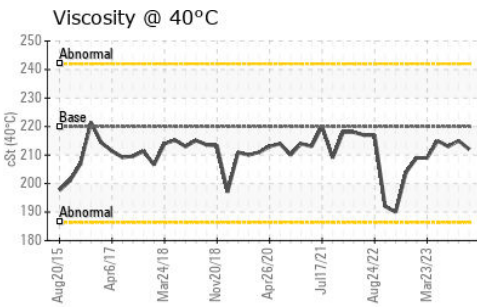
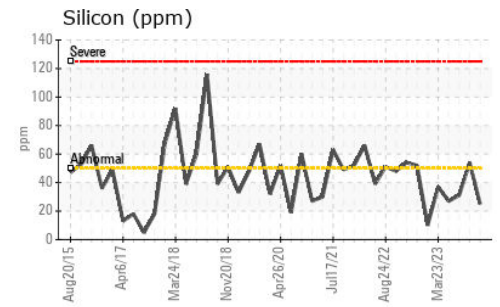
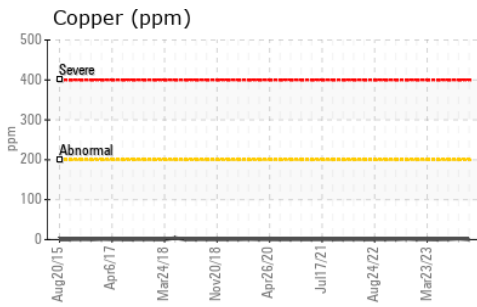
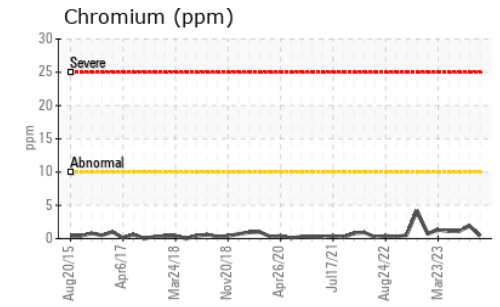
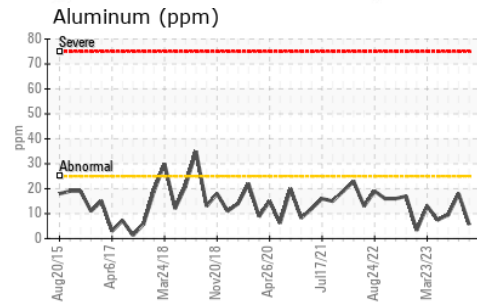
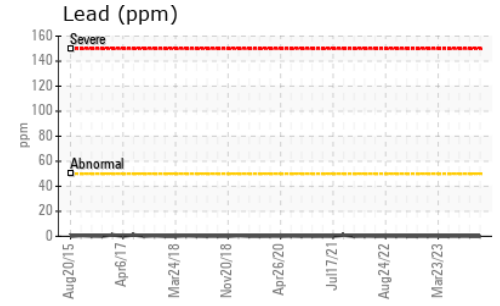
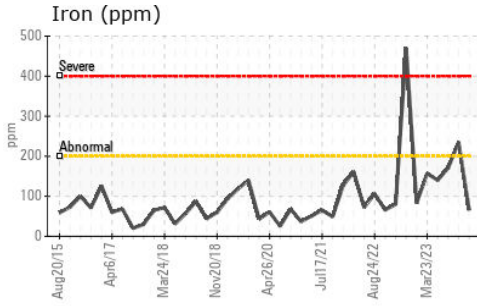


# OIL ANALYSIS REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0760477 **Received** : 17 Jul 2023  
**Lab Number** : 05900333 **Diagnosed** : 18 Jul 2023  
**Unique Number** : 10561689 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**WAKE STONE CORPORATION-MONCURE**  
 P.O. BOX 158  
 MONCURE, NC  
 US 27559  
 Contact: ROBBIE BOGAN  
 robbiebogan@wakestonecorp.com  
 T:  
 F: (919)776-1341

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)