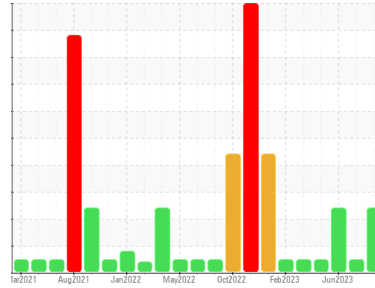




# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**5073**  
 Component  
**Gearbox**  
 Fluid  
**SHELL OMALA 68 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ▲ Contamination

Appearance is hazy. There is a light concentration of water present 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>WC0819296</b>	WC0776291	WC0819311
Sample Date	Client Info		<b>04 Aug 2023</b>	20 Jun 2023	09 Jun 2023
Machine Age	hrs	Client Info	<b>4335</b>	41	4025
Oil Age	hrs	Client Info	<b>310</b>	67	2
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	Not Chngd
Sample Status			<b>ATTENTION</b>	NORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>37</b>	12	11
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>7</b>	1	0
Lead	ppm	ASTM D5185m >50	<b>21</b>	5	<1
Copper	ppm	ASTM D5185m >200	<b>24</b>	6	4
Tin	ppm	ASTM D5185m >10	<b>4</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	2
Barium	ppm	ASTM D5185m	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>2</b>	<1	2
Calcium	ppm	ASTM D5185m	<b>13</b>	9	10
Phosphorus	ppm	ASTM D5185m	<b>308</b>	292	315
Zinc	ppm	ASTM D5185m	<b>9</b>	0	0
Sulfur	ppm	ASTM D5185m	<b>12996</b>	10221	11238

## CONTAMINANTS

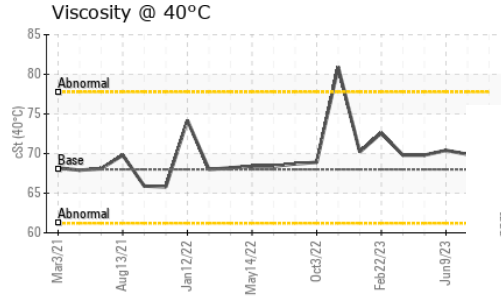
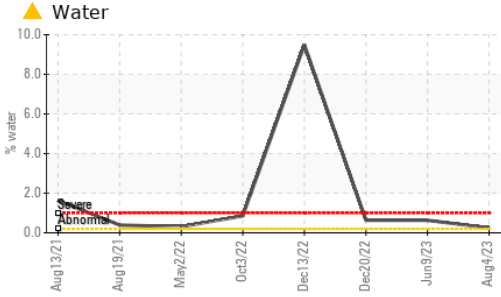
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>14</b>	2	3
Sodium	ppm	ASTM D5185m	<b>3</b>	1	1
Potassium	ppm	ASTM D5185m >20	<b>2</b>	<1	0
Water	%	ASTM D6304 >0.2	<b>▲ 0.247</b>	---	<b>▲ 0.632</b>
ppm Water	ppm	ASTM D6304 >2000	<b>▲ 2470</b>	---	<b>▲ 6320</b>

## 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>MODER</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>▲ HAZY</b>	NORML	<b>▲ MILKY</b>
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	<b>0.2%</b>	NEG	0.2%
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



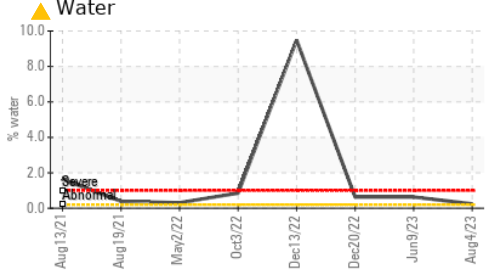
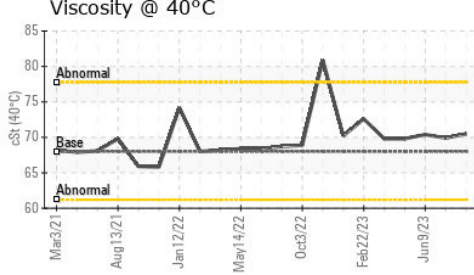
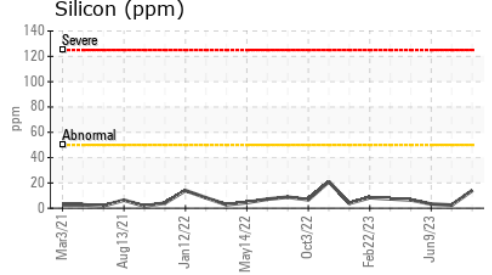
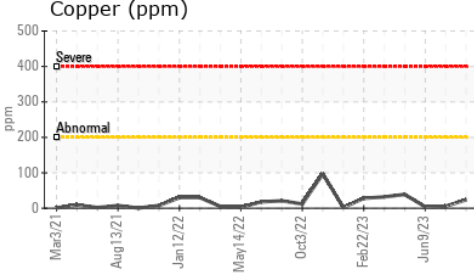
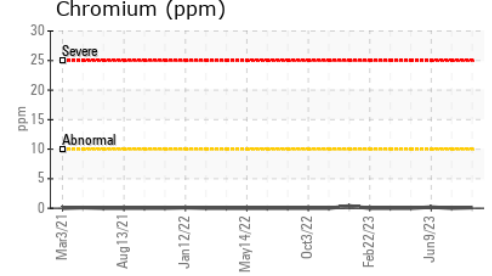
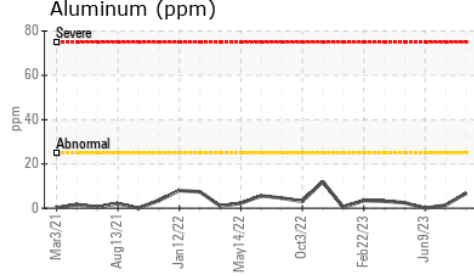
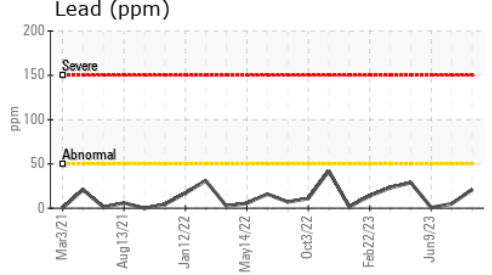
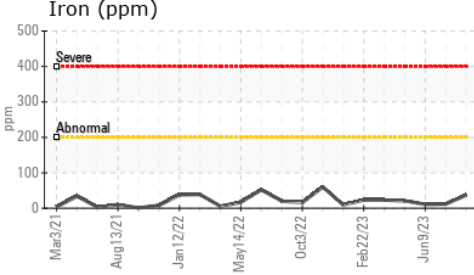
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 68.0	<b>70.5</b>	69.9	70.4

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.** : WC0819296 **Received** : 11 Aug 2023  
**Lab Number** : 05922553 **Diagnosed** : 14 Aug 2023  
**Unique Number** : 10602500 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: KF )

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

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)