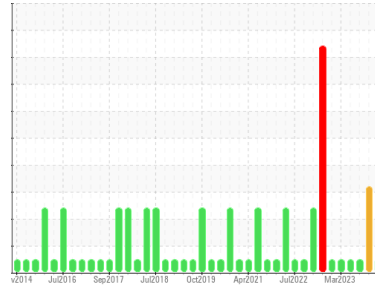




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
H/R JAW CRUSHER 5011 TANK

Component
Gearbox
Fluid
SHELL OMALA 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		WC0760476	WC0760478	WC0819307
Sample Date	Client Info		14 Jul 2023	20 Jun 2023	25 May 2023
Machine Age	hrs	Client Info	18921	18800	18667
Oil Age	hrs	Client Info	62	410	277
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	67	▲ 230	189
Chromium	ppm	ASTM D5185m >10	<1	2	1
Nickel	ppm	ASTM D5185m >10	<1	<1	<1
Titanium	ppm	ASTM D5185m	<1	1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	6	▲ 18	10
Lead	ppm	ASTM D5185m >50	0	0	0
Copper	ppm	ASTM D5185m >200	<1	<1	<1
Tin	ppm	ASTM D5185m >10	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 4.4	2	<1	1
Barium	ppm	ASTM D5185m 0.0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	<1	<1	<1
Manganese	ppm	ASTM D5185m	<1	3	2
Magnesium	ppm	ASTM D5185m 0	0	3	2
Calcium	ppm	ASTM D5185m 0	0	8	5
Phosphorus	ppm	ASTM D5185m 215	304	303	279
Zinc	ppm	ASTM D5185m 0	0	0	0
Sulfur	ppm	ASTM D5185m 7039	11558	14894	14702

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	25	▲ 55	34
Sodium	ppm	ASTM D5185m	0	5	0
Potassium	ppm	ASTM D5185m >20	2	3	3

VISUAL

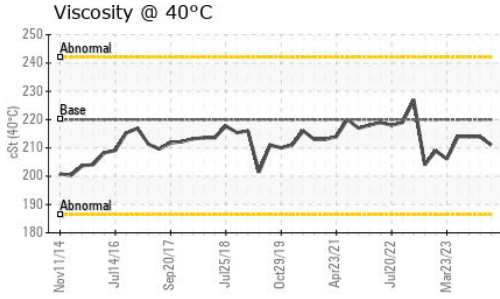
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White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 220	211	214	214

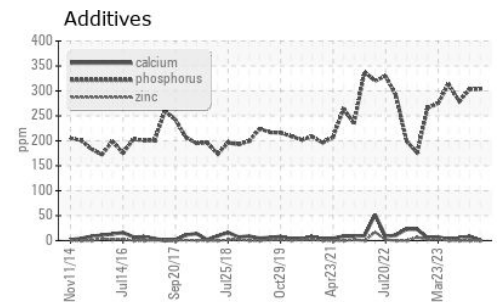
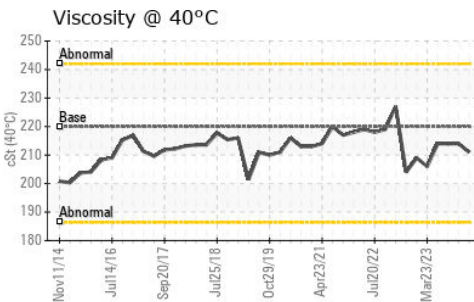
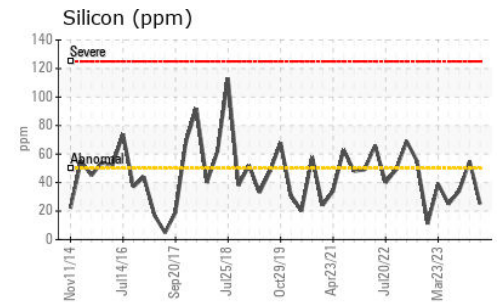
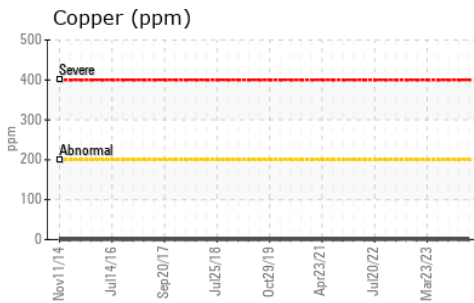
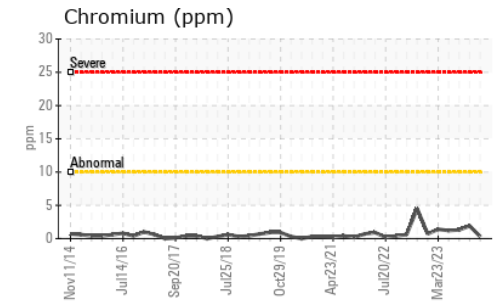
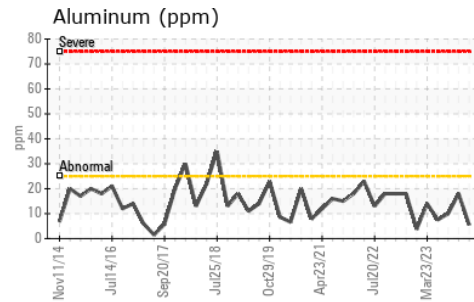
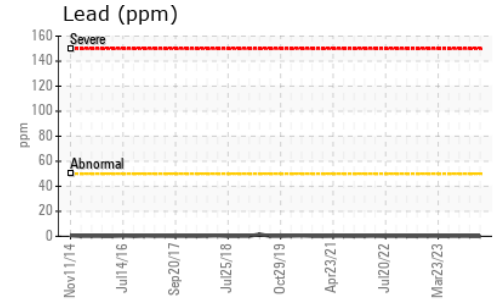
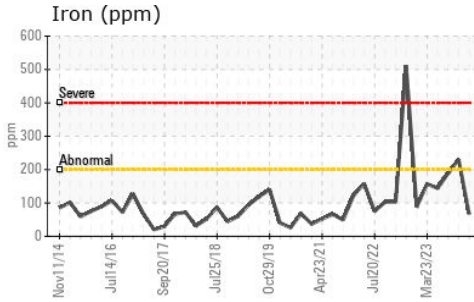


OIL ANALYSIS REPORT



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. : WC0760476 **Received** : 17 Jul 2023
Lab Number : 05900334 **Diagnosed** : 18 Jul 2023
Unique Number : 10561690 **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)