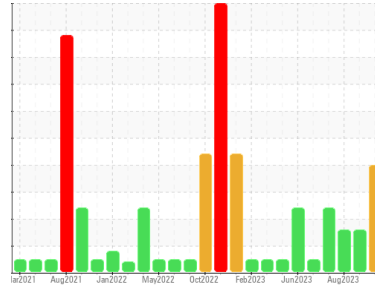




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Appearance is unacceptable 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		WC0840617	WC0819294	WC0819293
Sample Date	Client Info		03 Nov 2023	12 Sep 2023	28 Aug 2023
Machine Age	hrs	Client Info	4881	4546	4473
Oil Age	hrs	Client Info	324	520	448
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			ABNORMAL	MARGINAL	MARGINAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	18	29	23
Chromium	ppm	ASTM D5185m >10	<1	<1	0
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	1	4	2
Lead	ppm	ASTM D5185m >50	6	41	33
Copper	ppm	ASTM D5185m >200	11	17	10
Tin	ppm	ASTM D5185m >10	1	4	3
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	0	0	1
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1
Manganese	ppm	ASTM D5185m	0	<1	0
Magnesium	ppm	ASTM D5185m	<1	<1	0
Calcium	ppm	ASTM D5185m	1	17	29
Phosphorus	ppm	ASTM D5185m	210	198	200
Zinc	ppm	ASTM D5185m	0	7	10
Sulfur	ppm	ASTM D5185m	9750	8684	8618

CONTAMINANTS

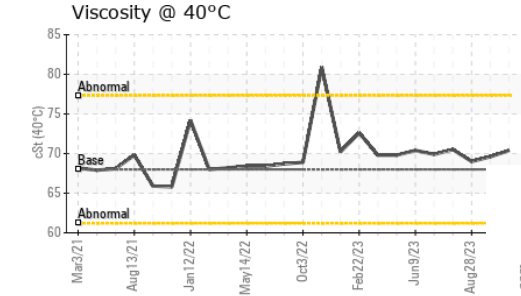
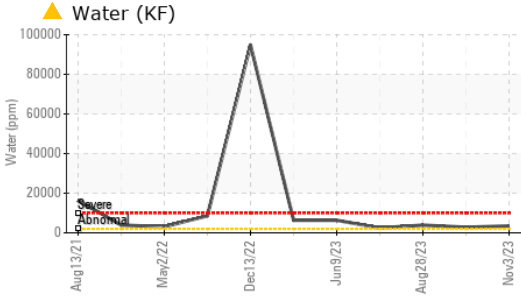
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	4	9	5
Sodium	ppm	ASTM D5185m	0	<1	0
Potassium	ppm	ASTM D5185m >20	2	1	<1
Water	%	ASTM D6304 >0.2	▲ 0.346	▲ 0.281	▲ 0.389
ppm Water	ppm	ASTM D6304 >2000	▲ 3460	▲ 2810	▲ 3890

VISUAL

	method	limit/base	current	history1	history2
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	MODER	NONE	MODER
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	▲ HAZY	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	0.2%	0.2%	0.2%
Free Water	scalar	*Visual	▲ 10.0	NEG	NEG



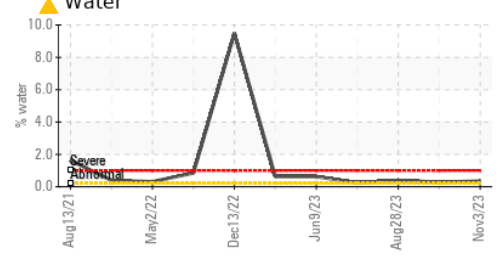
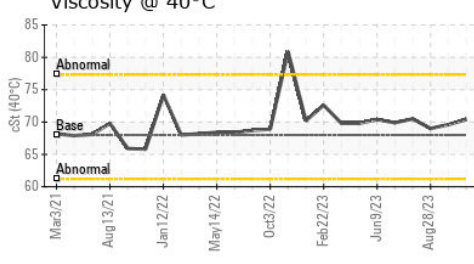
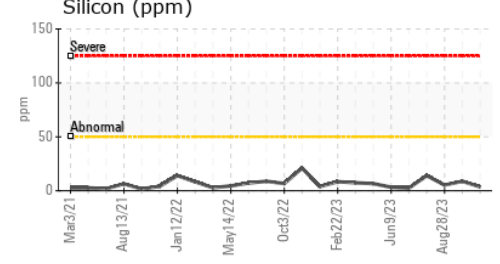
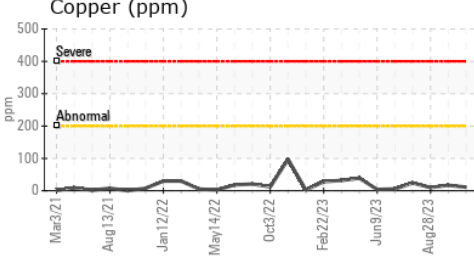
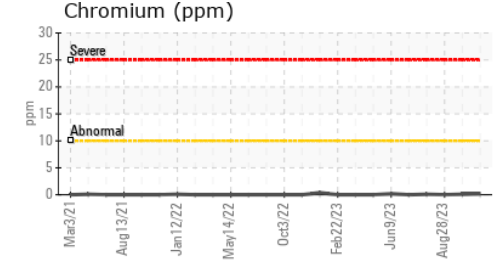
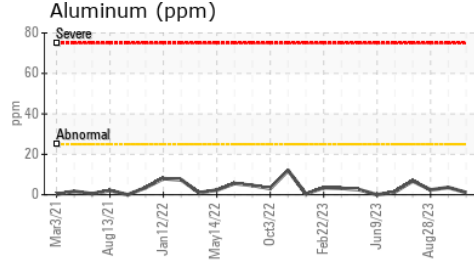
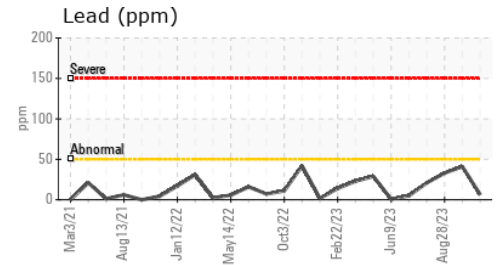
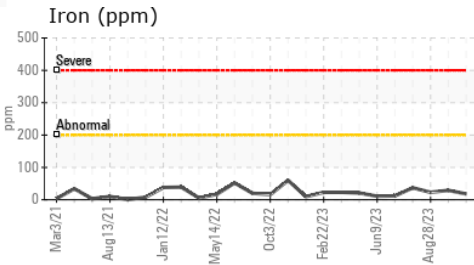
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.0	70.4	69.6	69.0

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0840617 **Received** : 17 Nov 2023
Lab Number : **06011154** **Diagnosed** : 21 Nov 2023
Unique Number : 10750298 **Diagnostician** : Sean Felton
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)