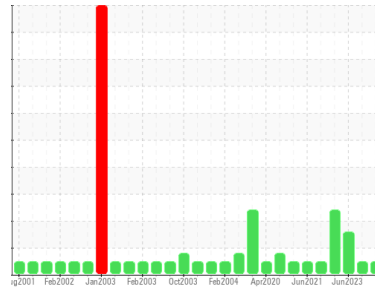




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
NORDBERG 5010
 Component
Circulating System
 Fluid
SHELL OMALA 68 (220 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		WC0672682	WC0749211	WC0672669
Sample Date	Client Info		21 Dec 2023	23 Aug 2023	06 Jun 2023
Machine Age	hrs	Client Info	0	564	0
Oil Age	hrs	Client Info	914	0	300
Oil Changed	Client Info		Not Changed	Not Changed	Changed
Sample Status			NORMAL	NORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	15	11	9
Chromium	ppm	ASTM D5185m	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m	1	<1	<1
Lead	ppm	ASTM D5185m	140	125	52
Copper	ppm	ASTM D5185m	86	18	17
Tin	ppm	ASTM D5185m	8	3	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	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	0
Calcium	ppm	ASTM D5185m	<1	0	2
Phosphorus	ppm	ASTM D5185m	233	264	287
Zinc	ppm	ASTM D5185m	0	0	0
Sulfur	ppm	ASTM D5185m	8390	10186	9956

CONTAMINANTS

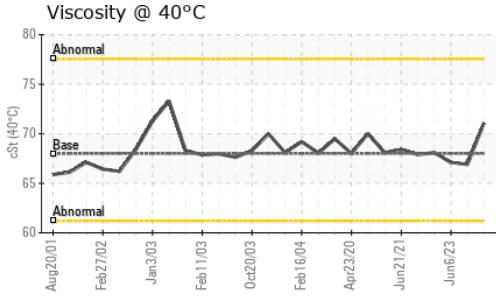
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	7	3	3
Sodium	ppm	ASTM D5185m	<1	2	<1
Potassium	ppm	ASTM D5185m >20	1	0	0

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	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	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

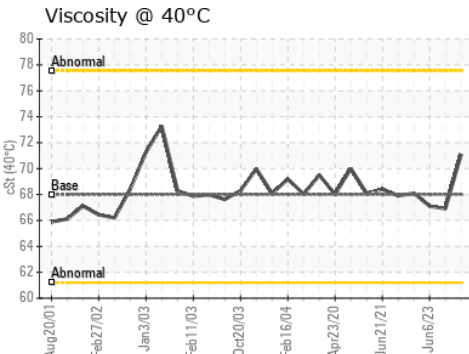
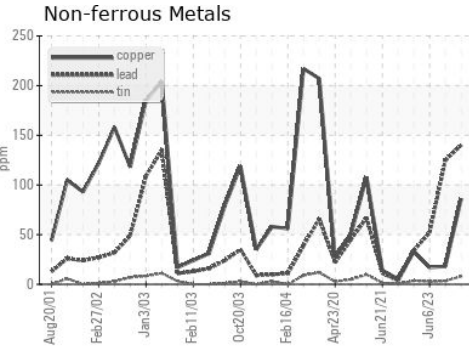
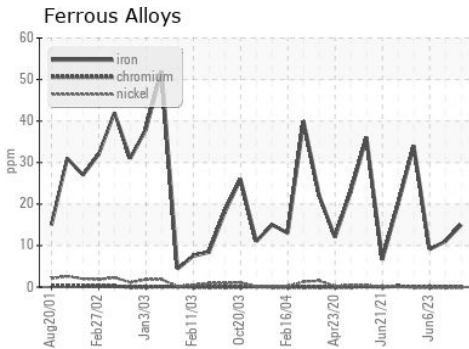


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.0	71.1	66.9	67.1

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0672682 **Received** : 10 Jan 2024
Lab Number : 06057534 **Diagnosed** : 12 Jan 2024
Unique Number : 10823483 **Diagnostician** : Don Baldrige
Test Package : CONST

WAKE STONE CORPORATION-CARY
 222 STAR LANE
 CARY, NC
 US 27591
 Contact: PAXTON LANIER
 PAXTONLANIER@WAKESTONECORP.COM
 T:
 F: (919)677-0988

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)