



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Machine Id
H/R JAW CRUSHER 5011 BARREL
Component
Gearbox
Fluid
SHELL OMALA S2 G 220 (45 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

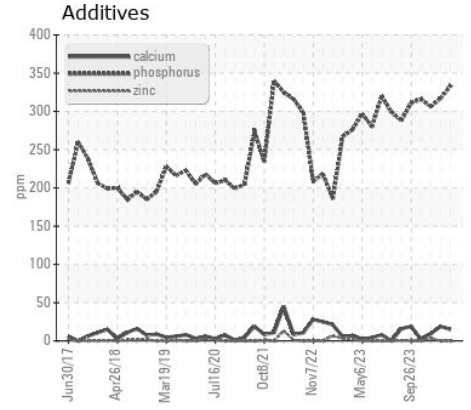
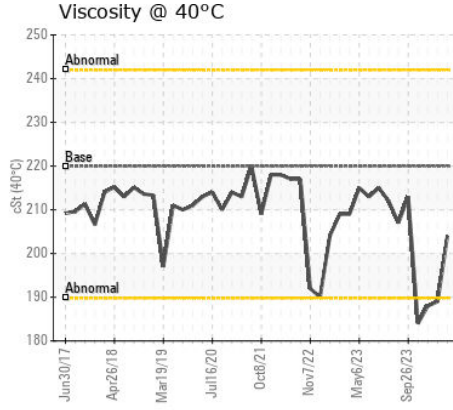
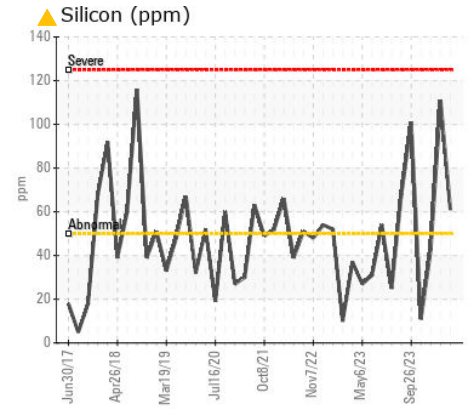
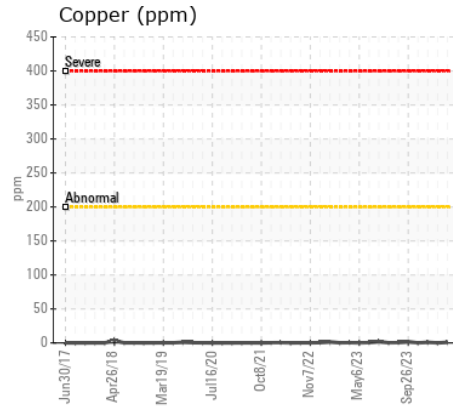
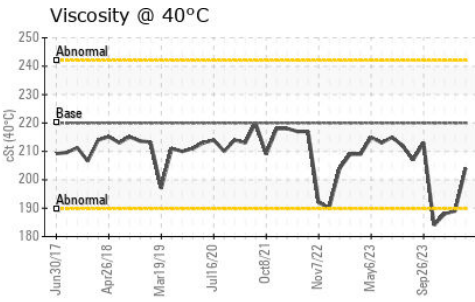
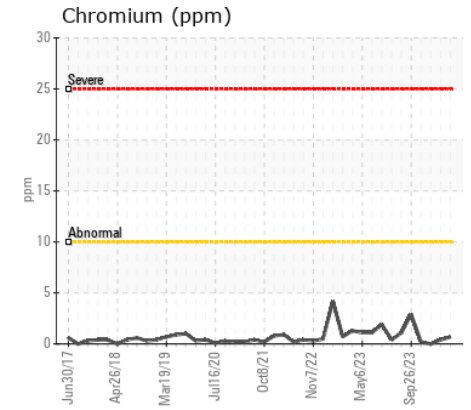
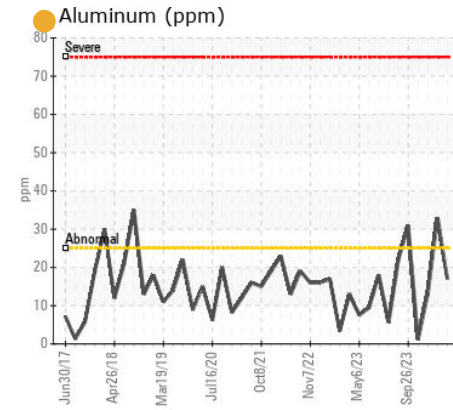
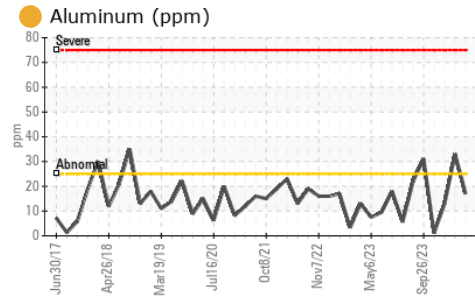
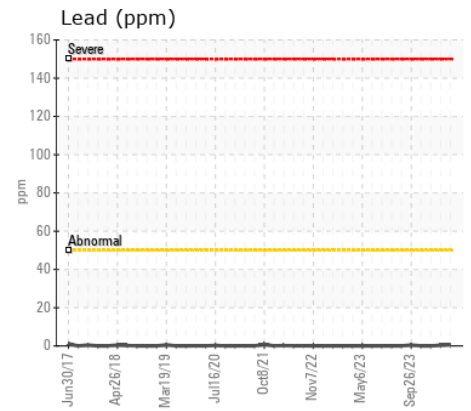
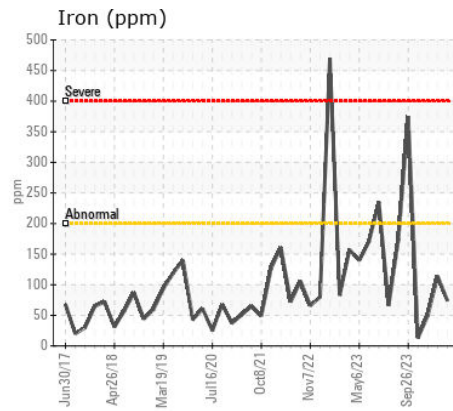
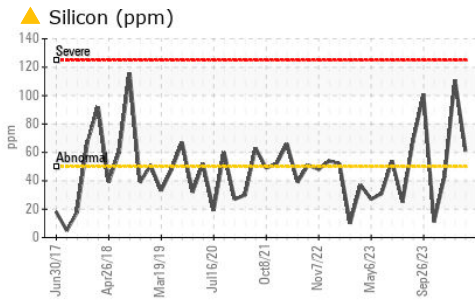
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0921829	WC0891248	WC0840612
Sample Date		Client Info		25 Apr 2024	31 Jan 2024	05 Dec 2023
Machine Age	hrs	Client Info		20533	20257	19786
Oil Age	hrs	Client Info		506	719	247
Filter Age	hrs	Client Info		506	719	247
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185m	>200	74	114	50
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		2	2	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	17	33	13
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>200	1	0	1
Tin	ppm	ASTM D5185m	>10	1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	61	111	43
Potassium	ppm	ASTM D5185m	>20	6	9	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
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

Sodium	ppm	ASTM D5185m		5	11	2
Boron	ppm	ASTM D5185m	4.4	2	2	0
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		1	2	1
Magnesium	ppm	ASTM D5185m	0	4	8	3
Calcium	ppm	ASTM D5185m	0	15	19	9
Phosphorus	ppm	ASTM D5185m	215	333	317	306
Zinc	ppm	ASTM D5185m	0	0	0	3
Sulfur	ppm	ASTM D5185m	7039	13196	10754	10157
Visc @ 40°C	cSt	ASTM D445	220	204	189	188



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0921829
Lab Number : 06186974
Unique Number : 11043726
Test Package : MOB 1

Received : 21 May 2024
Tested : 23 May 2024
Diagnosed : 23 May 2024 - Don Baldrige

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)