



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**NORDBERG 5072 CIRCULATING**  
 Component  
**Gearbox**  
 Fluid  
**SHELL OMALA 150 (80 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0921835</b>	WC0921837	WC0891277
Sample Date		Client Info		<b>04 Jun 2024</b>	01 May 2024	02 Apr 2024
Machine Age	hrs	Client Info		<b>11234</b>	10991	10733
Oil Age	hrs	Client Info		<b>893</b>	660	401
Filter Age	hrs	Client Info		<b>893</b>	660	401
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>46</b>	41	20
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	6	2
Lead	ppm	ASTM D5185m	>50	<b>22</b>	15	4
Copper	ppm	ASTM D5185m	>200	<b>58</b>	39	18
Tin	ppm	ASTM D5185m	>10	<b>5</b>	4	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

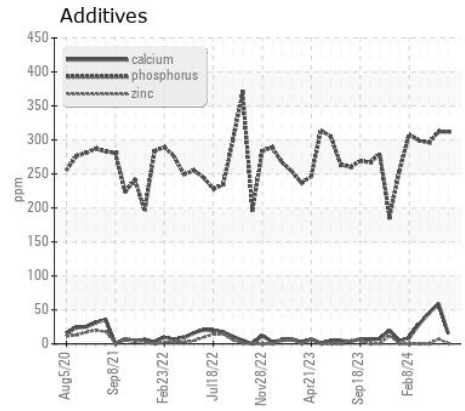
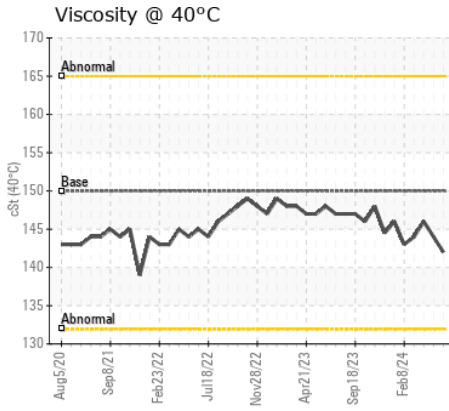
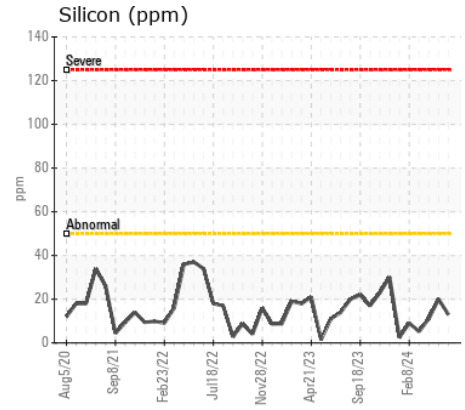
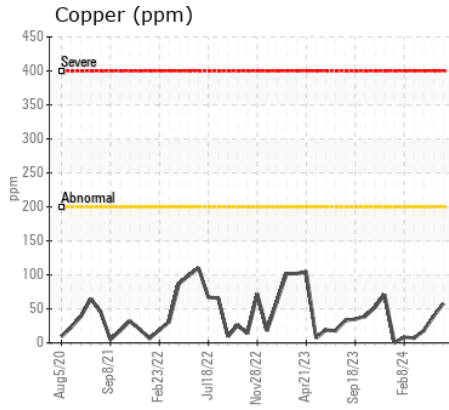
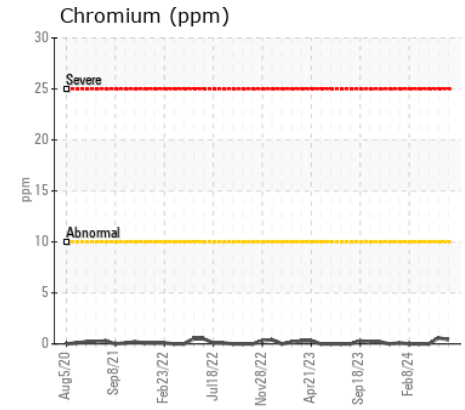
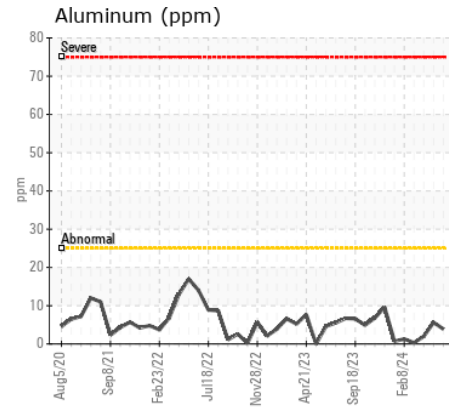
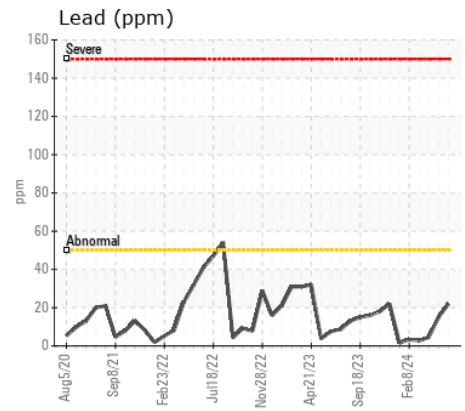
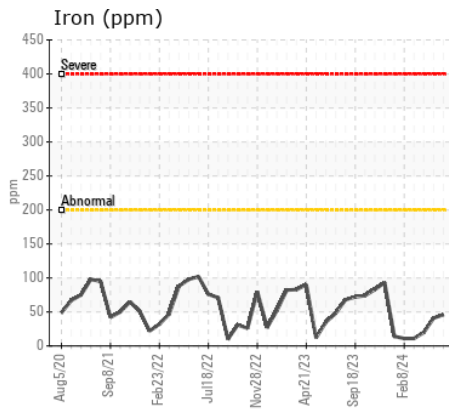
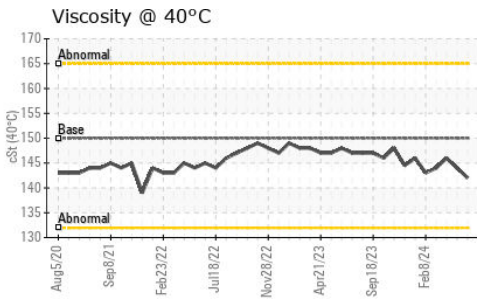
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>13</b>	20	11
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Boron	ppm	ASTM D5185m	6.2	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>2</b>	2	0
Calcium	ppm	ASTM D5185m	0.0	<b>15</b>	59	45
Phosphorus	ppm	ASTM D5185m	512	<b>312</b>	312	296
Zinc	ppm	ASTM D5185m	3.8	<b>1</b>	7	0
Sulfur	ppm	ASTM D5185m	8167	<b>10550</b>	11460	10683
Visc @ 40°C	cSt	ASTM D445	150	<b>142</b>	144	146



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0921835  
**Lab Number** : 06234108  
**Unique Number** : 11122942  
**Test Package** : MOB 1

**Received** : 11 Jul 2024  
**Tested** : 12 Jul 2024  
**Diagnosed** : 12 Jul 2024 - Wes Davis

**WAKE STONE CORPORATION-MONCURE**  
P.O. BOX 158  
MONCURE, NC  
US 27559  
Contact: ROBBIE BOGAN  
robbiebogan@wakestonecorp.com

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)

T:  
F: (919)776-1341