



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**DEISTER 14014 DEISTER 6X16 1 SCREEN**

Component  
**Bearing**

Fluid  
**SHELL MORLINA OIL ISO 320 (4 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## WEAR

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

## CONTAMINATION

There is a moderate amount of visible silt present in the sample.

## FLUID CONDITION

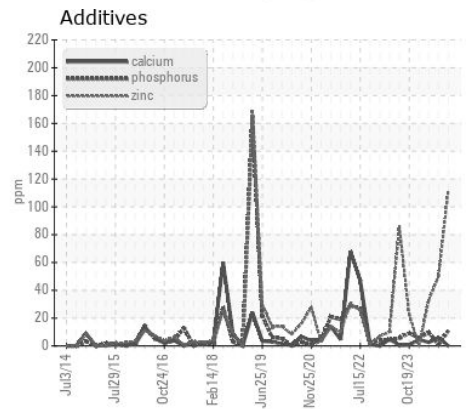
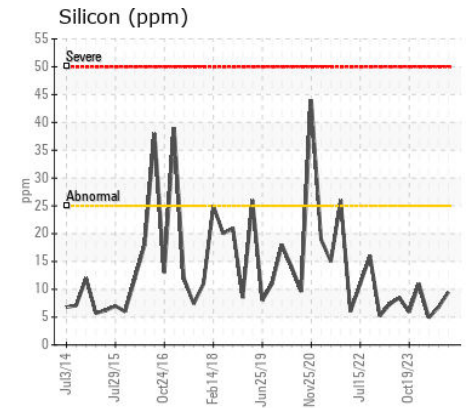
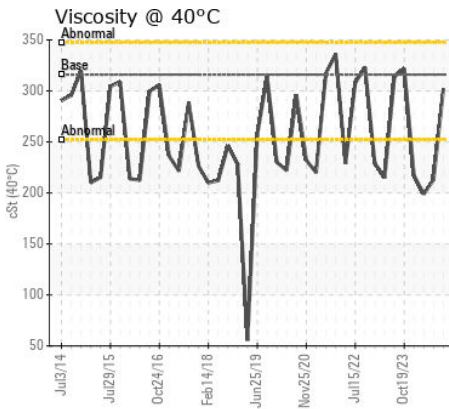
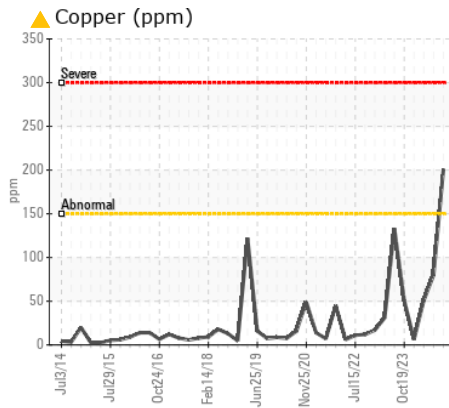
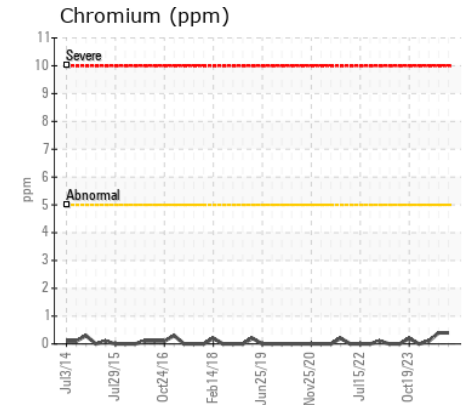
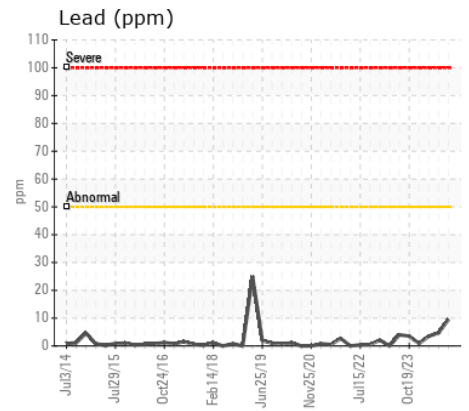
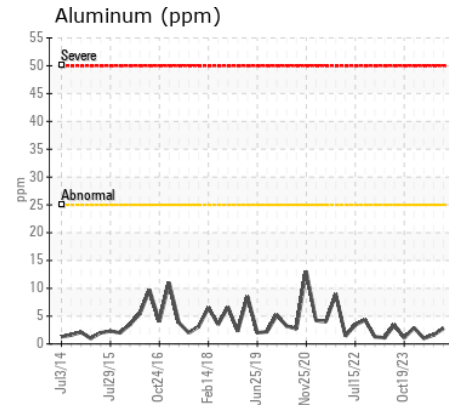
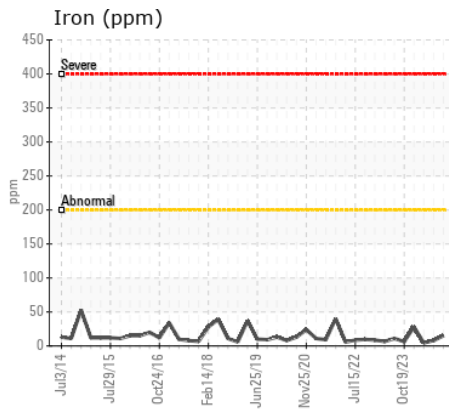
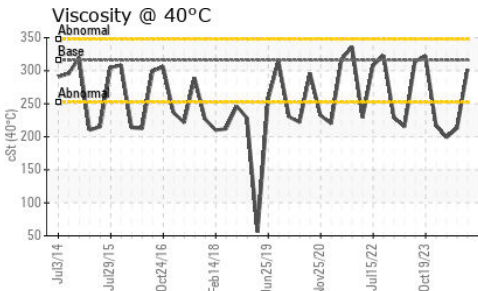
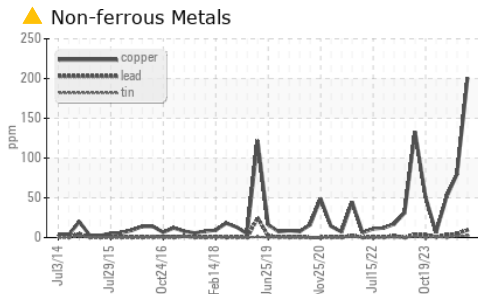
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0921824</b>	WC0921847	WC0840646
Sample Date		Client Info		<b>27 Jun 2024</b>	18 Apr 2024	19 Feb 2024
Machine Age	mths	Client Info		<b>0</b>	0	0
Oil Age	mths	Client Info		<b>3</b>	3	1
Filter Age	mths	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185m	>200	<b>15</b>	8	4
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	<1	0
Titanium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	2	1
Lead	ppm	ASTM D5185m	>50	<b>10</b>	5	4
Copper	ppm	ASTM D5185m	>150	<b>▲ 201</b>	80	51
Tin	ppm	ASTM D5185m	>10	<b>2</b>	2	0
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

Silicon	ppm	ASTM D5185m	>25	<b>10</b>	7	5
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	<b>▲ MODER</b>	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	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>2</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>1</b>	<1	2
Calcium	ppm	ASTM D5185m		<b>0</b>	6	3
Phosphorus	ppm	ASTM D5185m		<b>11</b>	1	10
Zinc	ppm	ASTM D5185m		<b>112</b>	50	33
Sulfur	ppm	ASTM D5185m		<b>9266</b>	8587	2970
Visc @ 40°C	cSt	ASTM D445	316	<b>302</b>	213	199



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0921824  
**Lab Number** : 06234102  
**Unique Number** : 11122936  
**Test Package** : MOB 1

**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