



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Machine Id
DEISTER 14012

Component
Upper Bearing

Fluid
SHELL MORLINA OIL ISO 320 (4 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of visible silt present in the sample. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

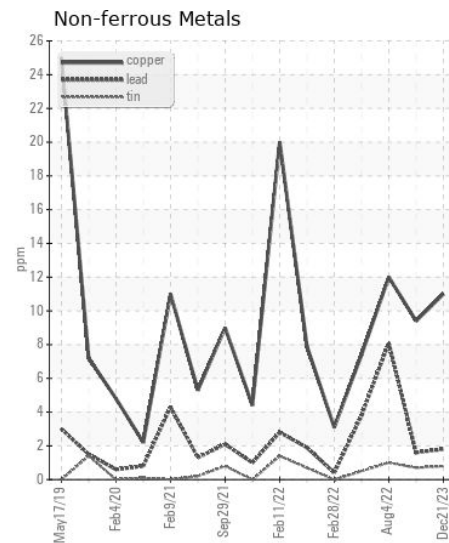
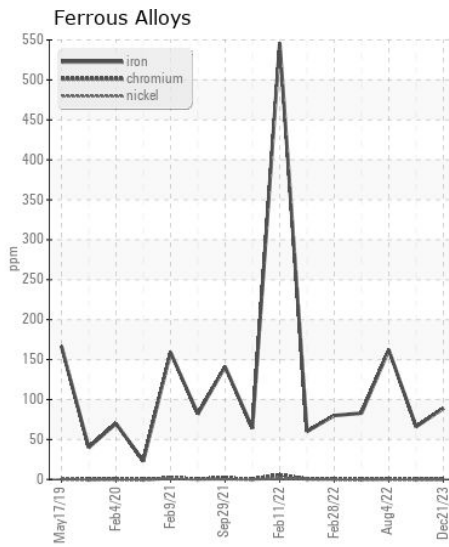
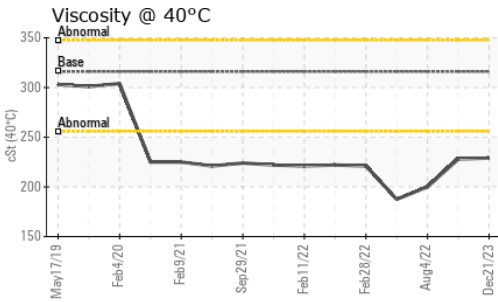
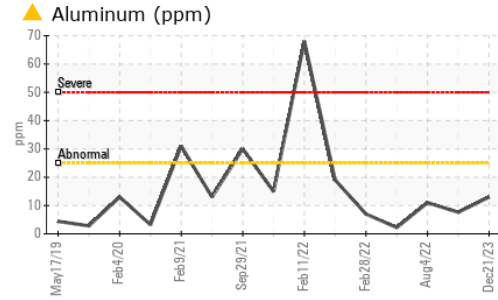
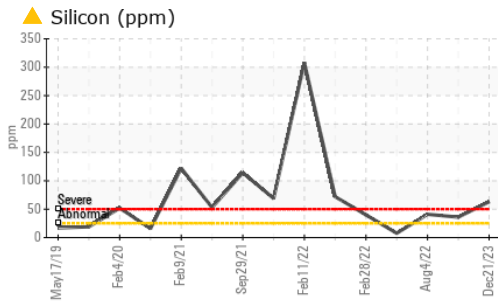
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0672677	WC0749206	WC0632080
Sample Date		Client Info		21 Dec 2023	12 Jul 2023	04 Aug 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		5	3	8
Filter Age	mths	Client Info		0	3	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>200	89	66	162
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>5	<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	▲ 13	▲ 8	▲ 11
Lead	ppm	ASTM D5185m	>50	2	2	8
Copper	ppm	ASTM D5185m	>150	11	9	12
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	▲ 63	▲ 36	▲ 41
Potassium	ppm	ASTM D5185m	>20	7	4	5
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		5	3	5
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		1	1	3
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		4	2	1
Phosphorus	ppm	ASTM D5185m		26	33	295
Zinc	ppm	ASTM D5185m		0	0	5
Sulfur	ppm	ASTM D5185m		7968	10879	10438
Visc @ 40°C	cSt	ASTM D445	316	229	228	200



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0672677
Lab Number : 06057531
Unique Number : 10823480
Test Package : CONST

Received : 10 Jan 2024
Diagnosed : 12 Jan 2024
Diagnostician : Don Baldrige

WAKE STONE CORPORATION-CARY
 222 STAR LANE
 CARY, NC
 US 27591

Contact: PAXTON LANIER
 PAXTONLANIER@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)

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