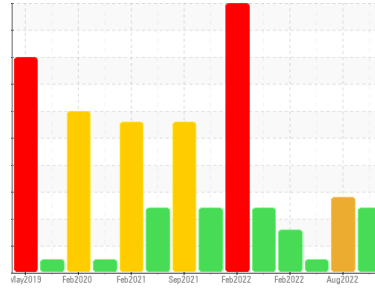




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
DEISTER 14012

Component
Upper Bearing

Fluid
SHELL MORLINA OIL ISO 320 (4 GAL)

DIAGNOSIS

▲ 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

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0749206	WC0632080	WC0630769
Sample Date	Client Info		12 Jul 2023	04 Aug 2022	28 Mar 2022
Machine Age	mths	Client Info	0	0	0
Oil Age	mths	Client Info	3	8	74
Oil Changed	Client Info		Not Chngd	Changed	Not Chngd
Sample Status			ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	66	162	83
Chromium	ppm	ASTM D5185m >5	<1	<1	<1
Nickel	ppm	ASTM D5185m >5	0	0	0
Titanium	ppm	ASTM D5185m >5	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	▲ 8	▲ 11	2
Lead	ppm	ASTM D5185m >50	2	8	4
Copper	ppm	ASTM D5185m >150	9	12	7
Tin	ppm	ASTM D5185m >10	<1	1	<1
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	3
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	1	3	2
Magnesium	ppm	ASTM D5185m	0	0	0
Calcium	ppm	ASTM D5185m	2	1	<1
Phosphorus	ppm	ASTM D5185m	33	295	301
Zinc	ppm	ASTM D5185m	0	5	0
Sulfur	ppm	ASTM D5185m	10879	10438	8154

CONTAMINANTS

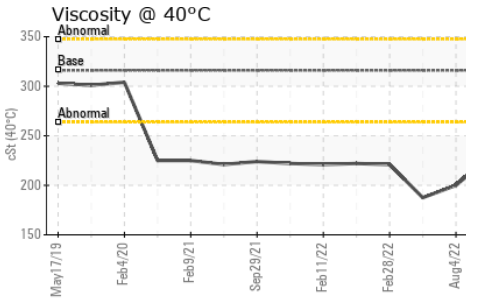
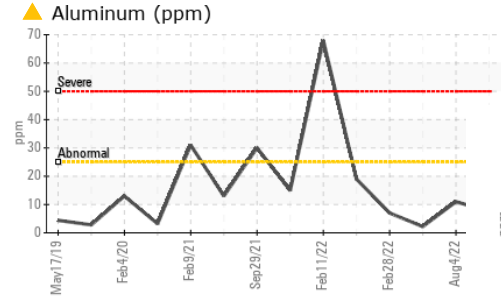
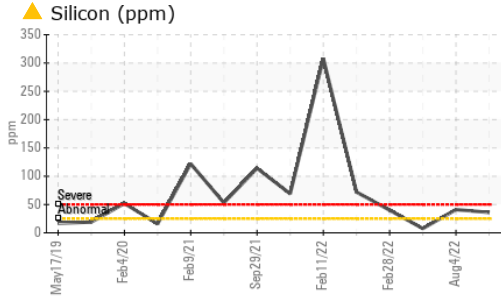
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	▲ 36	▲ 41	8
Sodium	ppm	ASTM D5185m	3	5	<1
Potassium	ppm	ASTM D5185m >20	4	5	<1

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	VLITE
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	▲ MODER	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 >0.1	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



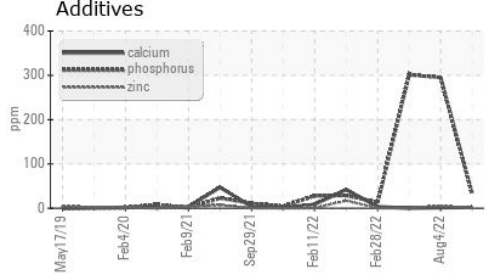
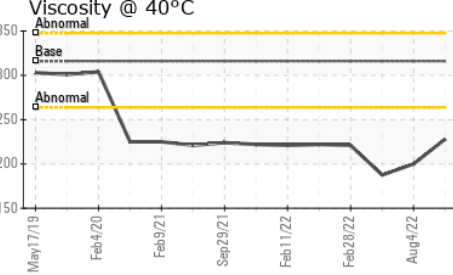
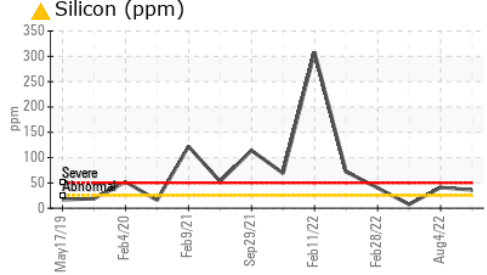
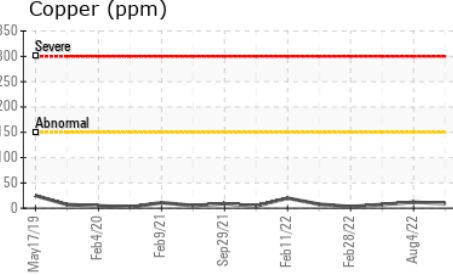
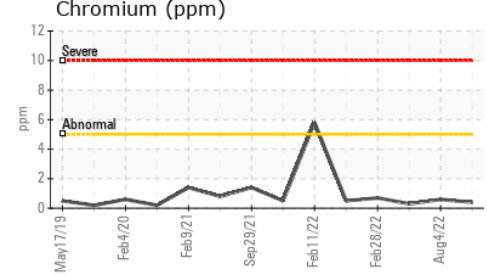
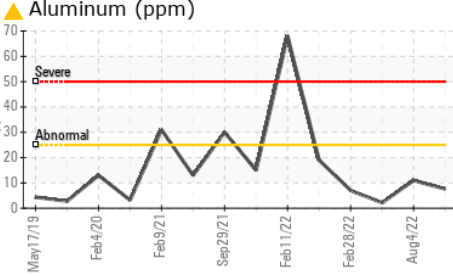
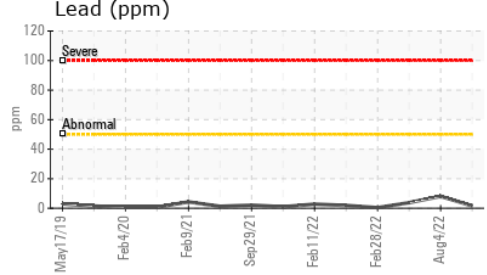
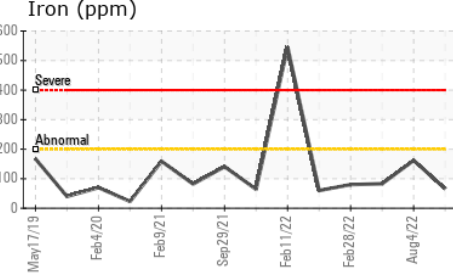
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 316	228	200	187.5

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0749206 **Received** : 14 Jul 2023
Lab Number : 05898933 **Diagnosed** : 17 Jul 2023
Unique Number : 10560289 **Diagnostician** : Don Baldrige
Test Package : MOB 1

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 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)