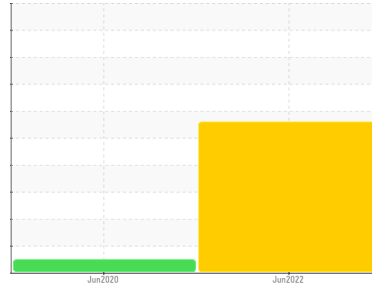




OIL ANALYSIS REPORT

Area
Contracting
 Machine Id
4217 4217
 Component
Drum Eccentric Weight Housing
 Fluid
MOBIL SHC 630 (3 GAL)

Sample Rating Trend



VISUAL METAL



DIAGNOSIS

▲ Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

Moderate concentration of visible metal present. Bearing and/or gear wear is indicated.

▲ Contamination

There is a high amount of particulates present in the oil.

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		WC0710628	WC0470280	---
Sample Date	Client Info		21 Jun 2022	01 Jun 2020	---
Machine Age	hrs	Client Info	4495	3862	---
Oil Age	hrs	Client Info	1395	762	---
Oil Changed	Client Info		Not Chngd	Changed	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	▲ 266	107	---
Chromium	ppm	ASTM D5185m >2	3	1	---
Nickel	ppm	ASTM D5185m >2	0	<1	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Silver	ppm	ASTM D5185m	<1	0	---
Aluminum	ppm	ASTM D5185m >2	2	1	---
Lead	ppm	ASTM D5185m >25	2	1	---
Copper	ppm	ASTM D5185m >7	▲ 69	39	---
Tin	ppm	ASTM D5185m >10	<1	0	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<1	<1	---
Barium	ppm	ASTM D5185m	2	0	---
Molybdenum	ppm	ASTM D5185m	<1	0	---
Manganese	ppm	ASTM D5185m	2	1	---
Magnesium	ppm	ASTM D5185m	4	6	---
Calcium	ppm	ASTM D5185m	24	8	---
Phosphorus	ppm	ASTM D5185m	386	365	---
Zinc	ppm	ASTM D5185m	170	119	---
Sulfur	ppm	ASTM D5185m	8788	7604	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	9	7	---
Sodium	ppm	ASTM D5185m	14	12	---
Potassium	ppm	ASTM D5185m >20	1	5	---

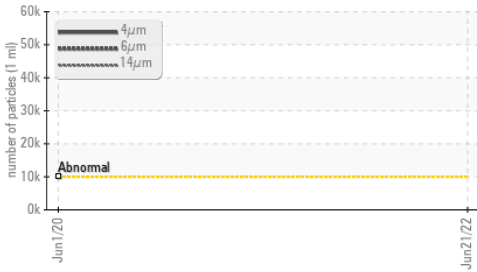
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 58905	---	---
Particles >6µm	ASTM D7647	>2500	▲ 32089	---	---
Particles >14µm	ASTM D7647	>160	▲ 5461	---	---
Particles >21µm	ASTM D7647	>40	▲ 1840	---	---
Particles >38µm	ASTM D7647	>10	▲ 284	---	---
Particles >71µm	ASTM D7647	>3	▲ 29	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/14	▲ 23/22/20	---	---

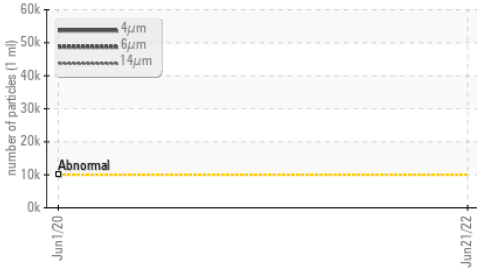


OIL ANALYSIS REPORT

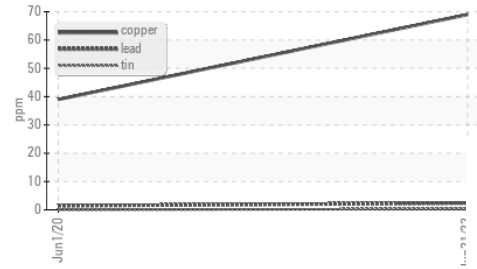
Particle Trend



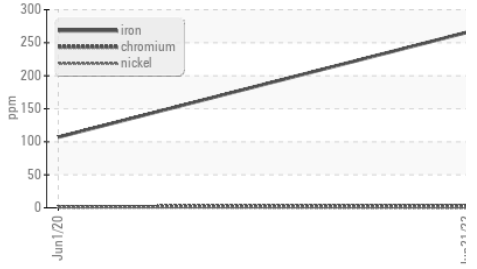
Particle Trend



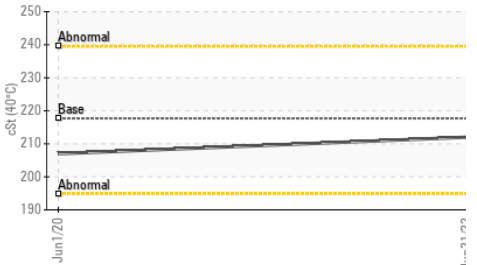
Non-ferrous Metals



Ferrous Alloys



Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	▲ MODER	LIGHT	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.1	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

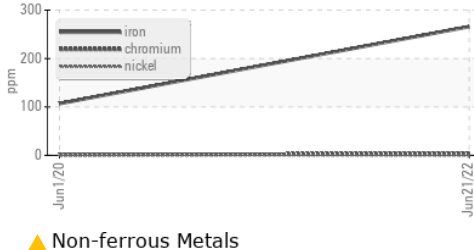
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 217.7	212	207	---

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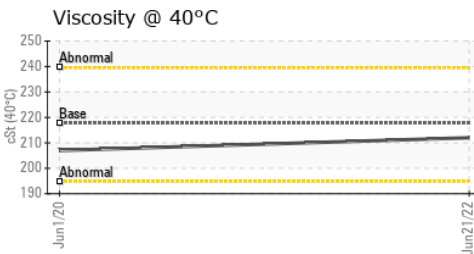
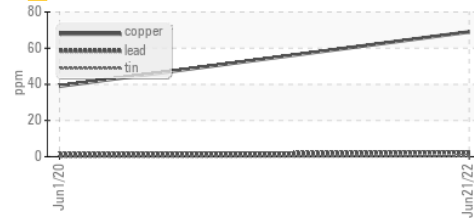
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Bottom				no image	no image

GRAPHS

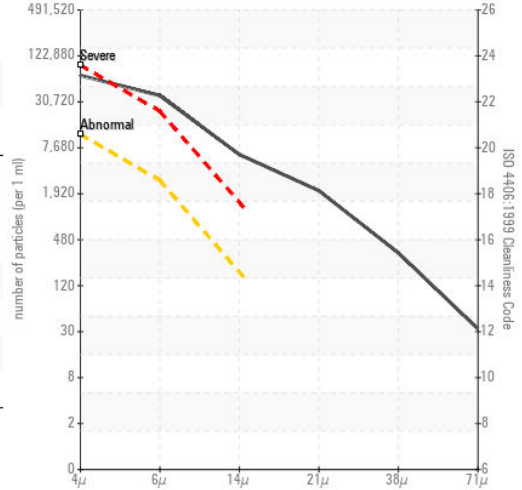
Ferrous Alloys



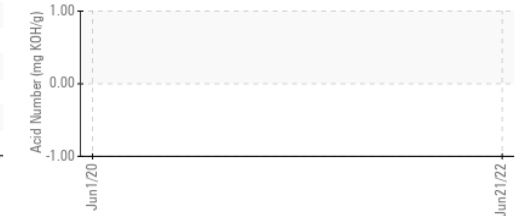
Non-ferrous Metals



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0710628 Received : 23 Jun 2022
 Lab Number : 05575041 Tested : 27 Jun 2022
 Unique Number : 10024458 Diagnosed : 27 Jun 2022 - Jonathan Hester
 Test Package : CONST (Additional Tests: PrtCount)

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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