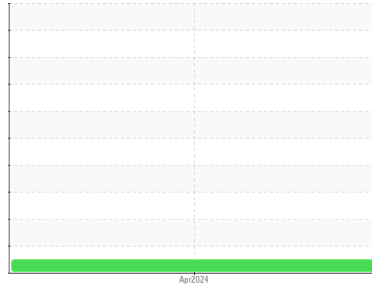




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Cranes
 Machine Id
15196-HTC 50
 Component
Transmission (Manual)
 Fluid
GEAR OIL LS 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0919804	---	---
Sample Date	Client Info		05 Apr 2024	---	---
Machine Age	hrs	Client Info	8489	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Changed	---	---
Sample Status			NORMAL	---	---

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

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	61	---	---
Chromium	ppm	ASTM D5185m >5	<1	---	---
Nickel	ppm	ASTM D5185m >5	0	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m >7	<1	---	---
Aluminum	ppm	ASTM D5185m >25	2	---	---
Lead	ppm	ASTM D5185m >45	<1	---	---
Copper	ppm	ASTM D5185m >225	20	---	---
Tin	ppm	ASTM D5185m >10	<1	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

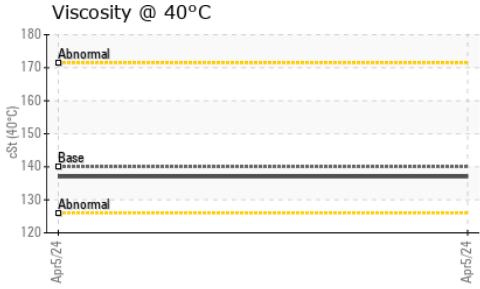
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 150	154	---	---
Barium	ppm	ASTM D5185m	4	---	---
Molybdenum	ppm	ASTM D5185m	<1	---	---
Manganese	ppm	ASTM D5185m	6	---	---
Magnesium	ppm	ASTM D5185m 10	8	---	---
Calcium	ppm	ASTM D5185m 70	354	---	---
Phosphorus	ppm	ASTM D5185m 2000	1053	---	---
Zinc	ppm	ASTM D5185m 50	140	---	---
Sulfur	ppm	ASTM D5185m 20000	24403	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	5	---	---
Sodium	ppm	ASTM D5185m	41	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---

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



OIL ANALYSIS REPORT



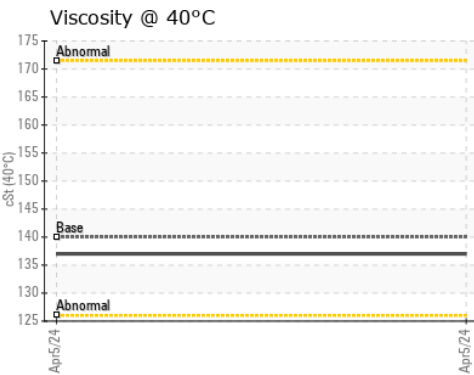
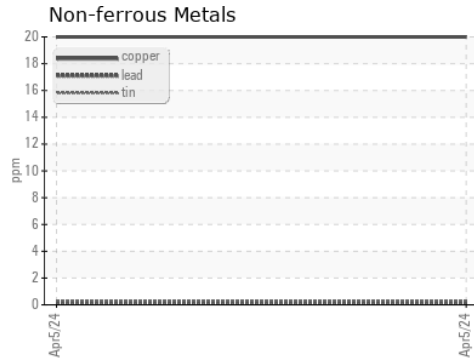
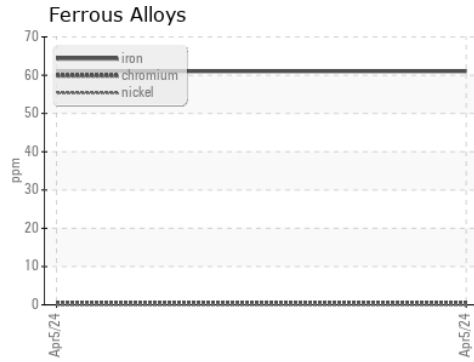
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	140	137	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image	no image	no image
Bottom	no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919804
Lab Number : 06142582
Unique Number : 10967390
Test Package : CONST

Received : 08 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 09 Apr 2024 - Wes Davis

BARNHART CRANE - BRANCH 030
 4015 23RD STREET SW
 CANTON, OH
 US 44706

Contact: David Pfeiffer
 dapfeiffer@barnhartcrane.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: