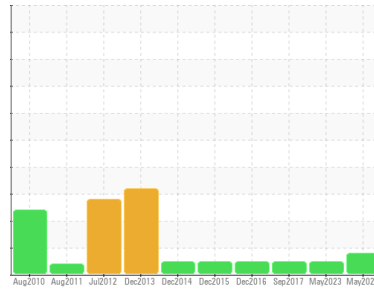




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
FORMARA T-61

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination 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		WC0938767	WC0818268	WCM1385458
Sample Date	Client Info		12 May 2024	25 May 2023	19 Sep 2017
Machine Age	hrs	Client Info	442	0	78185
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			ABNORMAL	NORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	4	2	3
Chromium	ppm	ASTM D5185m >10	0	0	<1
Nickel	ppm	ASTM D5185m >10	<1	<1	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >10	2	0	<1
Lead	ppm	ASTM D5185m >10	6	<1	4
Copper	ppm	ASTM D5185m >75	▲ 192	2	6
Tin	ppm	ASTM D5185m >10	0	0	0
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	89	<1	<1
Barium	ppm	ASTM D5185m 5	0	0	<1
Molybdenum	ppm	ASTM D5185m 5	<1	1	0
Manganese	ppm	ASTM D5185m	<1	0	2
Magnesium	ppm	ASTM D5185m 25	0	3	2
Calcium	ppm	ASTM D5185m 200	303	89	146
Phosphorus	ppm	ASTM D5185m 300	300	317	428
Zinc	ppm	ASTM D5185m 370	234	366	398
Sulfur	ppm	ASTM D5185m 2500	1243	1017	348

CONTAMINANTS

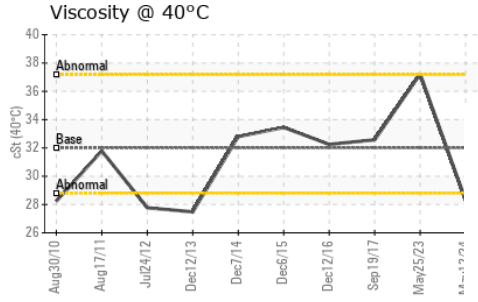
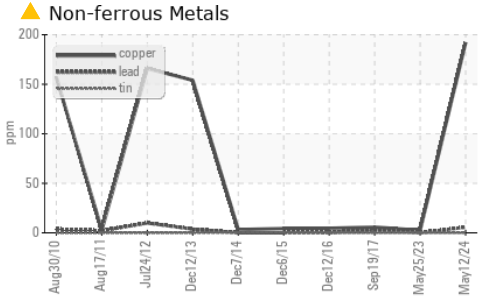
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	6	2	4
Sodium	ppm	ASTM D5185m	9	0	<1
Potassium	ppm	ASTM D5185m >20	4	<1	<1

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
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	LIGHT	NONE	LIGHT
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



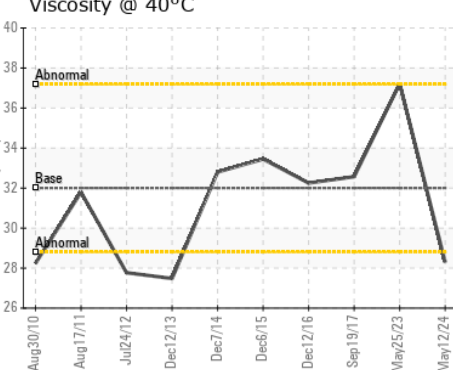
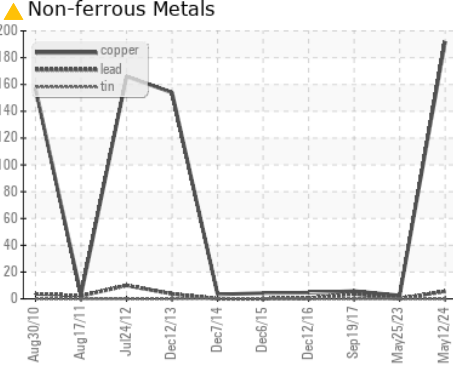
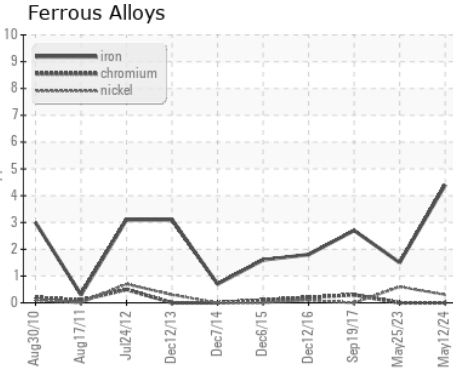
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445 32	28.3	37.22	32.57
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			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. : WC0938767
Lab Number : 06200923
Unique Number : 11063046
Test Package : FLEET
Received : 05 Jun 2024
Tested : 07 Jun 2024
Diagnosed : 08 Jun 2024 - Don Baldrige

ALEXANDRIA FIRE DEPT
 1000 BULTON AVE
 ALEXANDRIA, LA
 US 71301
 Contact: BENNIE OUBER
 bennie.ouber@cityofalex.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: (318)619-3421