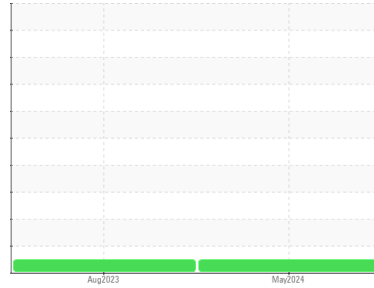




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

SMEAL L1

Component

Hydraulic System

Fluid

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All 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			WC0938811	WC0843918	---
Sample Date	Client Info			23 May 2024	24 Aug 2023	---
Machine Age	hrs	Client Info		1523	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			Not Changed	N/A	---
Sample Status				NORMAL	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	>20	3	4	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	4	<1	---
Lead	ppm	ASTM D5185m	>10	5	<1	---
Copper	ppm	ASTM D5185m	>75	4	4	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
Cadmium	ppm	ASTM D5185m		2	2	---

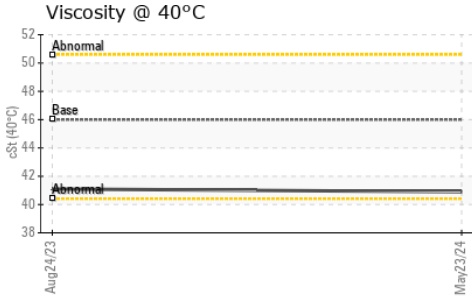
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	4	4	---
Barium	ppm	ASTM D5185m	5	1	0	---
Molybdenum	ppm	ASTM D5185m	5	<1	<1	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m	25	6	7	---
Calcium	ppm	ASTM D5185m	200	182	212	---
Phosphorus	ppm	ASTM D5185m	300	285	280	---
Zinc	ppm	ASTM D5185m	370	339	328	---
Sulfur	ppm	ASTM D5185m	2500	1294	1435	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	3	2	---
Sodium	ppm	ASTM D5185m		0	2	---
Potassium	ppm	ASTM D5185m	>20	2	0	---

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



OIL ANALYSIS REPORT

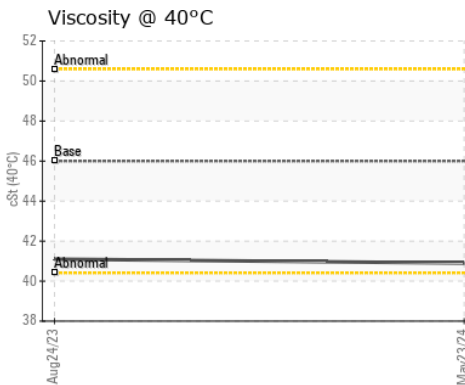
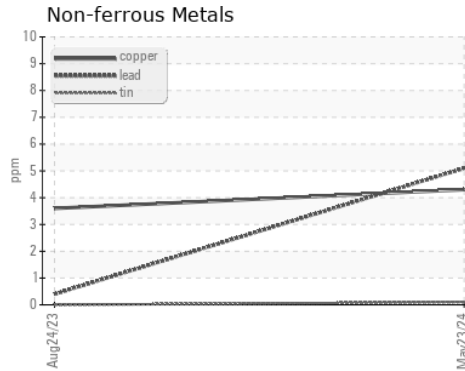
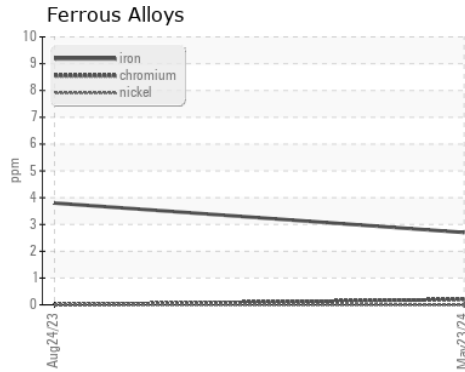


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	40.9	41.1	---

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. : WC0938811 **Received** : 05 Jun 2024
Lab Number : 06200946 **Tested** : 06 Jun 2024
Unique Number : 11063069 **Diagnosed** : 08 Jun 2024 - Don Baldrige
Test Package : FLEET

ANDREWS FIRE DEPT
 PO BOX 375
 ANDREWS, SC
 US 29510

Contact: ROBERT STAMPER
 ROBERTSTAMPER2@AOL.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: