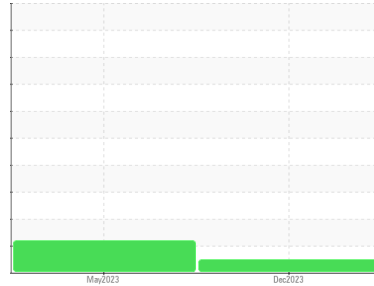




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
IOWA COLONY E-2101

Component
Transmission (Auto)
Fluid
TES SYN 295 (--- QTS)

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 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	WC0710298	WC0792368	---
Sample Date	Client Info	06 Dec 2023	09 May 2023	---
Machine Age	hrs Client Info	0	0	---
Oil Age	hrs Client Info	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	ABNORMAL	---

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 >160	19	22	---
Chromium	ppm ASTM D5185m >5	<1	0	---
Nickel	ppm ASTM D5185m >5	<1	1	---
Titanium	ppm ASTM D5185m	0	0	---
Silver	ppm ASTM D5185m >5	0	0	---
Aluminum	ppm ASTM D5185m >50	3	4	---
Lead	ppm ASTM D5185m >50	<1	0	---
Copper	ppm ASTM D5185m >225	49	32	---
Tin	ppm ASTM D5185m >10	<1	0	---
Vanadium	ppm ASTM D5185m	0	0	---
Cadmium	ppm ASTM D5185m	0	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 85	20	25	---
Barium	ppm ASTM D5185m 0	0	0	---
Molybdenum	ppm ASTM D5185m 0	<1	<1	---
Manganese	ppm ASTM D5185m 0	<1	1	---
Magnesium	ppm ASTM D5185m 1	2	<1	---
Calcium	ppm ASTM D5185m 100	165	205	---
Phosphorus	ppm ASTM D5185m 200	156	186	---
Zinc	ppm ASTM D5185m 0	0	0	---
Sulfur	ppm ASTM D5185m 1500	586	713	---

CONTAMINANTS

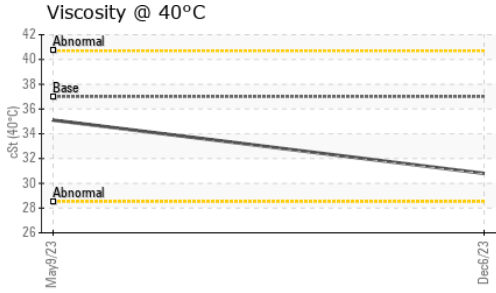
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	4	2	---
Sodium	ppm ASTM D5185m	2	4	---
Potassium	ppm ASTM D5185m >20	4	3	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	▲ MODER	---
Yellow Metal	scalar *Visual NONE	NONE	NONE	---
Precipitate	scalar *Visual NONE	NONE	NONE	---
Silt	scalar *Visual NONE	NONE	NONE	---
Debris	scalar *Visual NONE	LIGHT	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



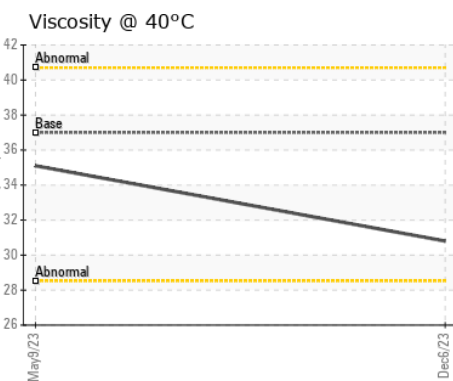
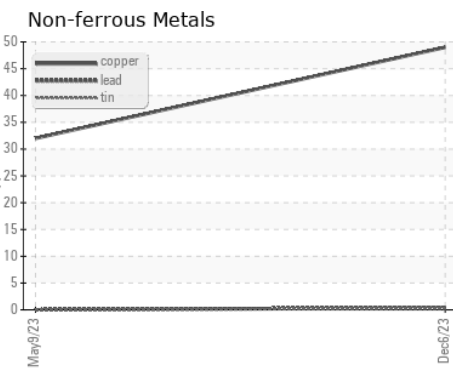
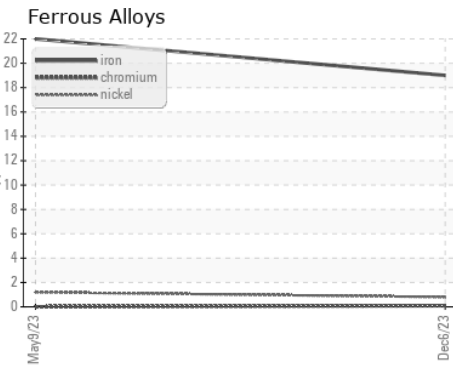
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	37.0	30.8	35.1	---

SAMPLE IMAGES

method	limit/base	current	history1	history2	
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. : WC0710298
Lab Number : 06026922
Unique Number : 10776713
Test Package : CONST
Received : 06 Dec 2023
Diagnosed : 08 Dec 2023
Diagnostician : Don Baldrige

SIDDONS-MARTIN EMERGENCY GROUP
 4401 REX RD
 FRIENDSWOOD, TX
 US 77546
 Contact: M. LEWIS
 mlewis@siddons-martin.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)