



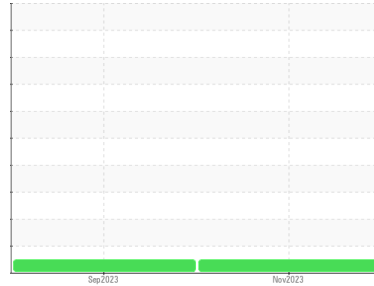
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
CATERPILLAR 745D 13398 (S/N 3T605951)
 Component
Transmission (Manual)
 Fluid
TDTO FLUID SAE 30 (--- 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 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		WC0831275	WC0831310	---
Sample Date	Client Info		27 Nov 2023	20 Sep 2023	---
Machine Age	hrs	Client Info	1220	807	---
Oil Age	hrs	Client Info	424	807	---
Oil Changed	Client Info		Not Chngd	Changed	---
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 >200	12	19	---
Chromium	ppm	ASTM D5185m >5	<1	<1	---
Nickel	ppm	ASTM D5185m >5	0	<1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m >7	0	0	---
Aluminum	ppm	ASTM D5185m >25	2	3	---
Lead	ppm	ASTM D5185m >45	<1	1	---
Copper	ppm	ASTM D5185m >225	4	9	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 37	4	0	---
Barium	ppm	ASTM D5185m 7	0	0	---
Molybdenum	ppm	ASTM D5185m 5	1	0	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m 40	16	8	---
Calcium	ppm	ASTM D5185m 2650	3227	3041	---
Phosphorus	ppm	ASTM D5185m 1050	944	1088	---
Zinc	ppm	ASTM D5185m 1075	1126	1314	---
Sulfur	ppm	ASTM D5185m 5750	4672	7144	---

CONTAMINANTS

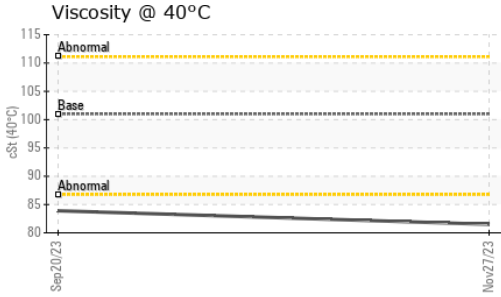
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	7	8	---
Sodium	ppm	ASTM D5185m	0	2	---
Potassium	ppm	ASTM D5185m >20	1	2	---

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



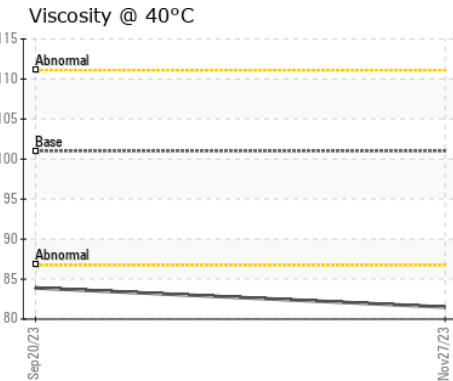
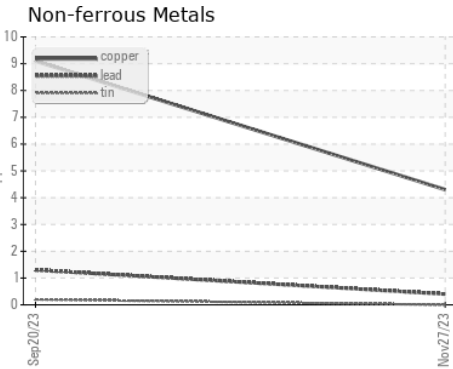
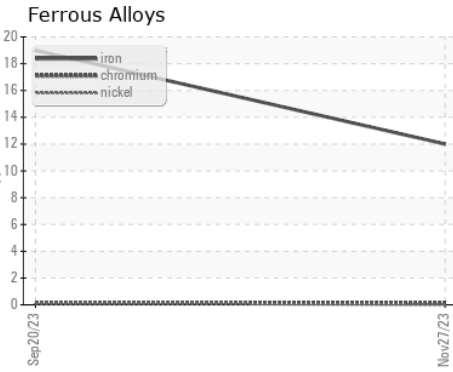
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	101	81.5	83.9	---

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. : WC0831275 **Received** : 06 Dec 2023
Lab Number : **06026914** **Diagnosed** : 08 Dec 2023
Unique Number : 10776705 **Diagnostician** : Don Baldrige
Test Package : CONST

TRADER CONSTRUCTION CO.
 PO DRAWER 1578
 NEW BERN, NC
 US 28563
 Contact: MIKE WYATT
 mwyatt@traderconstruction.com
 T: (252)633-1399
 F: (252)638-4871

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)