



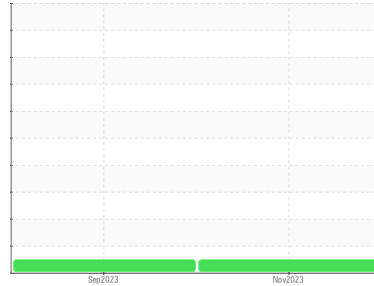
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Bridgewater
 Machine Id
CATERPILLAR 5642
 Component
Rear Differential
 Fluid
TDTO FLUID SAE 30 (--- 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 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		WC0864883	WC0850646	---
Sample Date	Client Info		09 Nov 2023	14 Sep 2023	---
Machine Age	hrs	Client Info	1578	1072	---
Oil Age	hrs	Client Info	1578	0	---
Oil Changed	Client Info		N/A	Not Changd	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	81	71	---
Chromium	ppm	ASTM D5185m	>3	<1	<1	---
Nickel	ppm	ASTM D5185m	>3	<1	<1	---
Titanium	ppm	ASTM D5185m	>2	0	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>30	3	1	---
Lead	ppm	ASTM D5185m	>13	0	0	---
Copper	ppm	ASTM D5185m	>103	50	50	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	37	<1	2	---
Barium	ppm	ASTM D5185m	7	0	2	---
Molybdenum	ppm	ASTM D5185m	5	0	<1	---
Manganese	ppm	ASTM D5185m		2	1	---
Magnesium	ppm	ASTM D5185m	40	12	8	---
Calcium	ppm	ASTM D5185m	2650	2947	2914	---
Phosphorus	ppm	ASTM D5185m	1050	1054	1064	---
Zinc	ppm	ASTM D5185m	1075	1270	1207	---
Sulfur	ppm	ASTM D5185m	5750	6374	7015	---

CONTAMINANTS

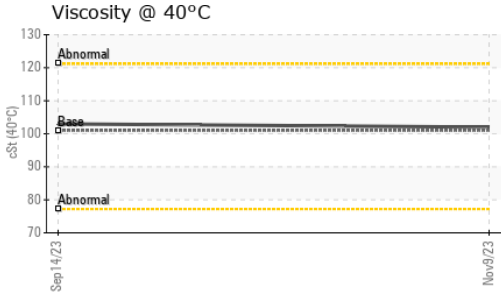
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>100	6	6	---
Sodium	ppm	ASTM D5185m		4	0	---
Potassium	ppm	ASTM D5185m	>20	0	3	---

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	>.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---



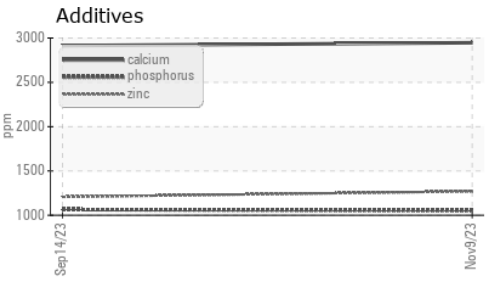
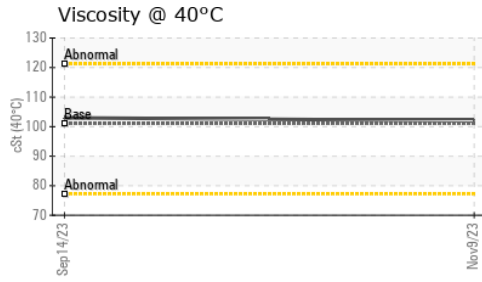
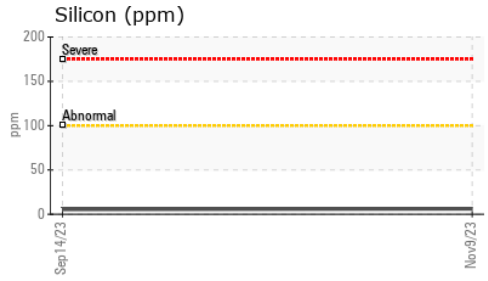
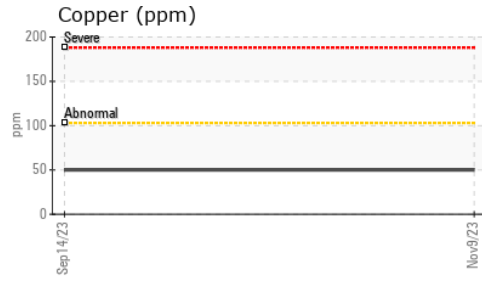
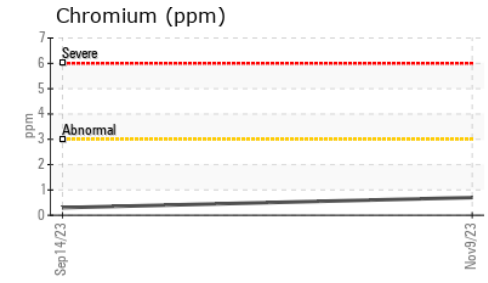
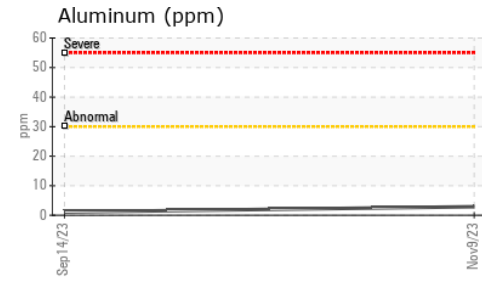
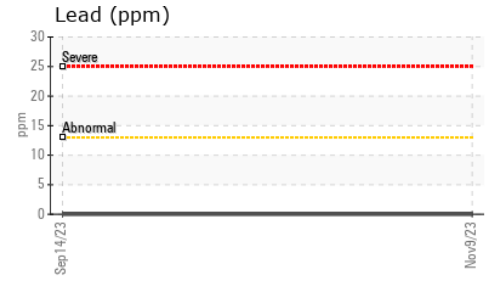
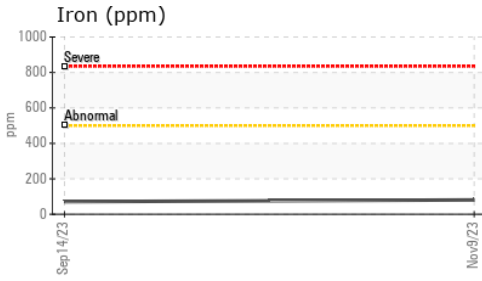
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 101	102	103	---

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. : WC0864883 **Received** : 22 Nov 2023
Lab Number : 06015930 **Diagnosed** : 26 Nov 2023
Unique Number : 10755074 **Diagnostician** : Wes Davis
Test Package : MOB 1

INTERSTATE WASTE-BRIDGewater
 15 POLHEMUS LANE
 BRIDGEWATER, NJ
 US 08807
 Contact: PABLO CHARDON
 PChardon@interstatewaste.com
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 F:

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)