



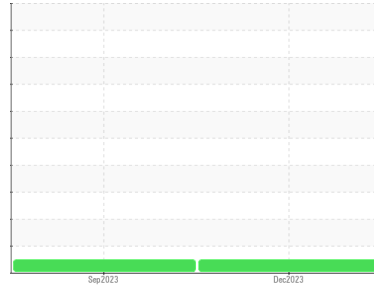
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Bridgewater
 Machine Id
CATERPILLAR 5642
 Component
Transmission (Manual)
 Fluid
{not provided} (--- 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0875292	WC0850644	---
Sample Date	Client Info		23 Dec 2023	14 Sep 2023	---
Machine Age	hrs	Client Info	2007	1072	---
Oil Age	hrs	Client Info	500	0	---
Oil Changed	Client Info		N/A	Not Chngd	---
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	38	33	---
Chromium	ppm	ASTM D5185m	>5	0	<1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>7	0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	1	---
Lead	ppm	ASTM D5185m	>45	2	<1	---
Copper	ppm	ASTM D5185m	>225	28	45	---
Tin	ppm	ASTM D5185m	>10	<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		20	94	---
Barium	ppm	ASTM D5185m		0	<1	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m		13	13	---
Calcium	ppm	ASTM D5185m		2819	3366	---
Phosphorus	ppm	ASTM D5185m		983	1166	---
Zinc	ppm	ASTM D5185m		1171	1361	---
Sulfur	ppm	ASTM D5185m		4266	4633	---

CONTAMINANTS

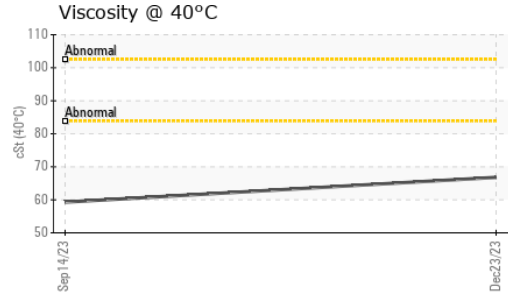
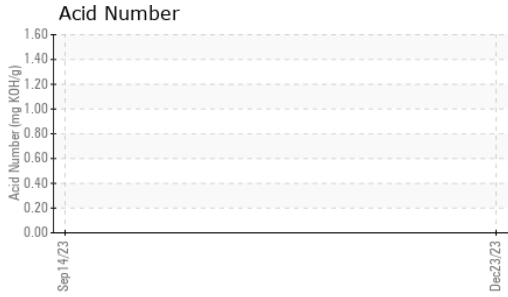
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>125	4	11	---
Sodium	ppm	ASTM D5185m		3	0	---
Potassium	ppm	ASTM D5185m	>20	0	3	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		1.58	---	---



OIL ANALYSIS REPORT



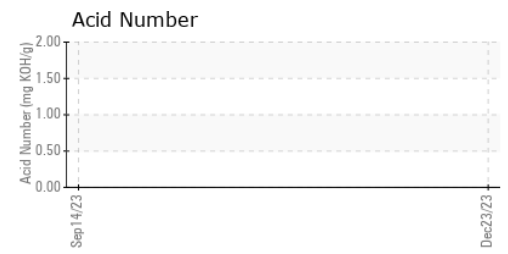
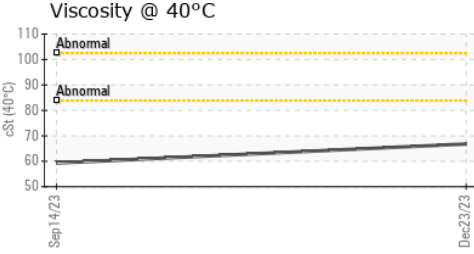
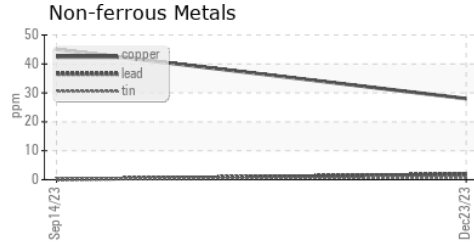
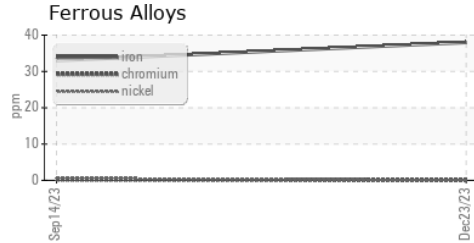
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	66.8	59.3	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0875292 **Recieved** : 08 Jan 2024
Lab Number : **06054068** **Diagnosed** : 09 Jan 2024
Unique Number : 10820017 **Diagnostician** : Angela Borella
Test Package : MOB 2 (Additional Tests: PrtCount)

INTERSTATE WASTE-BRIDGEWATER
 15 POLHEMUS LANE
 BRIDGEWATER, NJ
 US 08807
 Contact: PABLO CHARDON
 PChardon@interstatewaste.com
 T: (609)366-7431
 F:

Certificate L2367
 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)