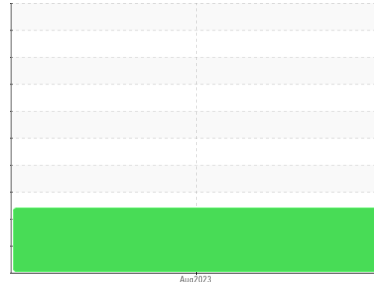




PROBLEM SUMMARY

Sample Rating Trend



ISO



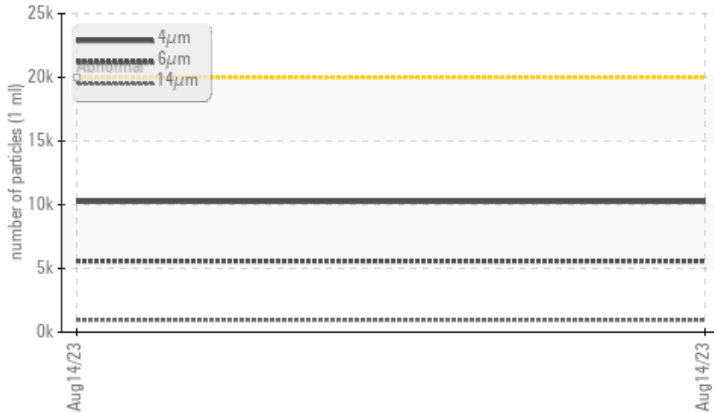
Machine Id
4227 - ECCENTRIC 4227

Component
Rear Gearbox

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Particles >6µm	ASTM D7647	>5000	▲ 5578	---	---	---
Particles >14µm	ASTM D7647	>640	▲ 949	---	---	---
Particles >21µm	ASTM D7647	>160	▲ 320	---	---	---
Particles >38µm	ASTM D7647	>40	▲ 49	---	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 21/20/17	---	---	---
Debris	scalar *Visual	NONE	▲ MODER	---	---	---

Customer Id: CARBUTNC
 Sample No.: WC0835069
 Lab Number: 05925984
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

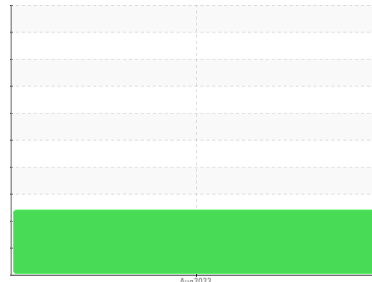
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
4227 - ECCENTRIC 4227
 Component
Rear Gearbox
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate amount of particulates present in the oil. Moderate concentration of visible dirt/debris present 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		WC0835069	---	---
Sample Date	Client Info		14 Aug 2023	---	---
Machine Age	hrs	Client Info	1011	---	---
Oil Age	hrs	Client Info	1011	---	---
Oil Changed	Client Info		Not Changed	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	42	---	---
Chromium	ppm	ASTM D5185m >10	<1	---	---
Nickel	ppm	ASTM D5185m >10	0	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	2	---	---
Lead	ppm	ASTM D5185m >50	<1	---	---
Copper	ppm	ASTM D5185m >200	13	---	---
Tin	ppm	ASTM D5185m >10	<1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 250	10	---	---
Barium	ppm	ASTM D5185m 10	1	---	---
Molybdenum	ppm	ASTM D5185m 100	<1	---	---
Manganese	ppm	ASTM D5185m	4	---	---
Magnesium	ppm	ASTM D5185m 450	15	---	---
Calcium	ppm	ASTM D5185m 3000	3709	---	---
Phosphorus	ppm	ASTM D5185m 1150	1023	---	---
Zinc	ppm	ASTM D5185m 1350	1137	---	---
Sulfur	ppm	ASTM D5185m 4250	5687	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	11	---	---
Sodium	ppm	ASTM D5185m >158	0	---	---
Potassium	ppm	ASTM D5185m >20	1	---	---

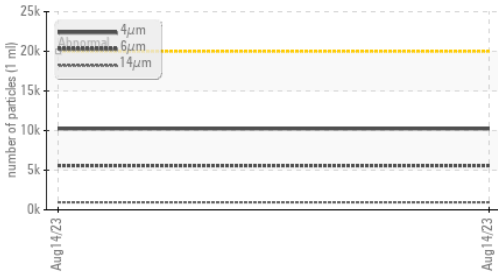
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	10240	---	---
Particles >6µm	ASTM D7647	>5000	▲ 5578	---	---
Particles >14µm	ASTM D7647	>640	▲ 949	---	---
Particles >21µm	ASTM D7647	>160	▲ 320	---	---
Particles >38µm	ASTM D7647	>40	▲ 49	---	---
Particles >71µm	ASTM D7647	>10	5	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 21/20/17	---	---

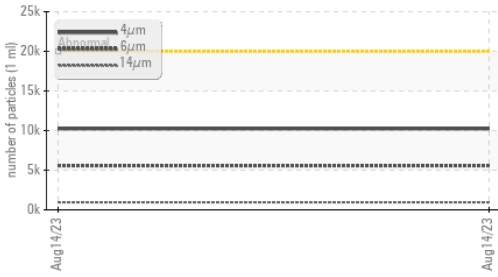


OIL ANALYSIS REPORT

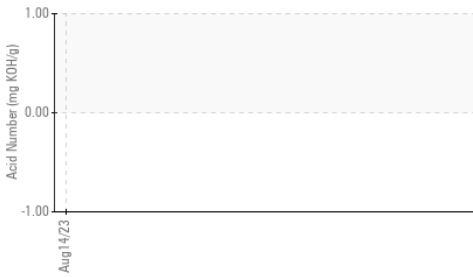
▲ Particle Trend



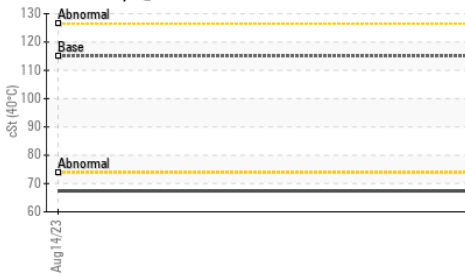
▲ Particle Trend



Acid Number



Viscosity @ 40°C



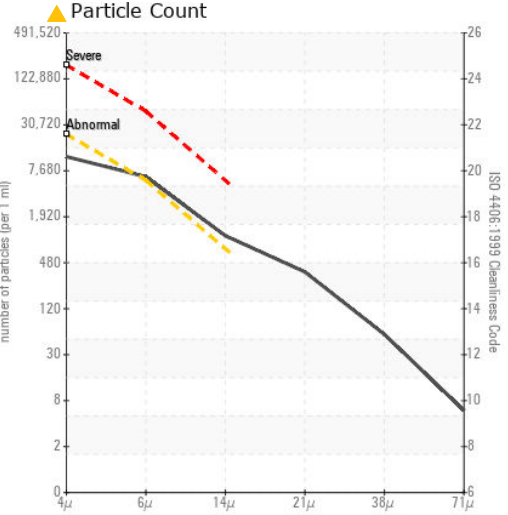
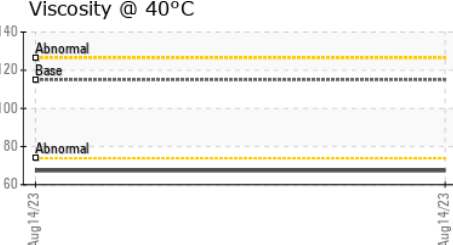
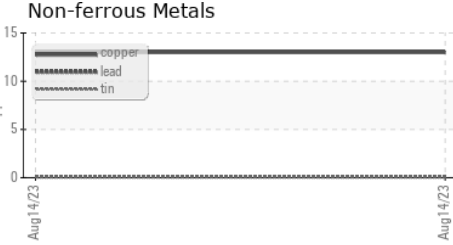
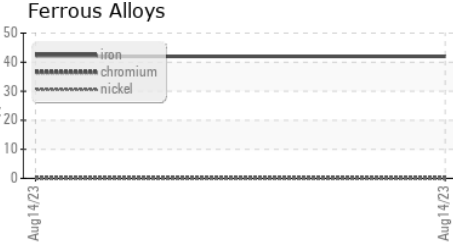
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	115	67.4	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0835069 **Received** : 16 Aug 2023
Lab Number : 05925984 **Diagnosed** : 17 Aug 2023
Unique Number : 10605931 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PrtCount)

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)

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