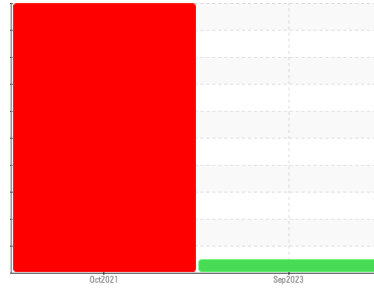




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
E-177
 Component
Right Final Drive
 Fluid
PHILLIPS 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 Please note that this is a corrected copy.

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		WC0828537	WC0606891	---
Sample Date	Client Info		28 Sep 2023	18 Oct 2021	---
Machine Age	hrs	Client Info	2872	0	---
Oil Age	hrs	Client Info	571	0	---
Oil Changed	Client Info		Changed	N/A	---
Sample Status			NORMAL	SEVERE	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	207	2569	---
Chromium	ppm	ASTM D5185m >10	3	15	---
Nickel	ppm	ASTM D5185m >10	<1	10	---
Titanium	ppm	ASTM D5185m	<1	9	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	2	80	---
Lead	ppm	ASTM D5185m >25	0	<1	---
Copper	ppm	ASTM D5185m >50	0	4	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Antimony	ppm	ASTM D5185m >5	---	<1	---
Vanadium	ppm	ASTM D5185m	0	<1	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	16	19	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	1	---
Manganese	ppm	ASTM D5185m	4	17	---
Magnesium	ppm	ASTM D5185m	3	5	---
Calcium	ppm	ASTM D5185m	12	10	---
Phosphorus	ppm	ASTM D5185m	1258	320	---
Zinc	ppm	ASTM D5185m	14	0	---
Sulfur	ppm	ASTM D5185m	20031	15046	---

CONTAMINANTS

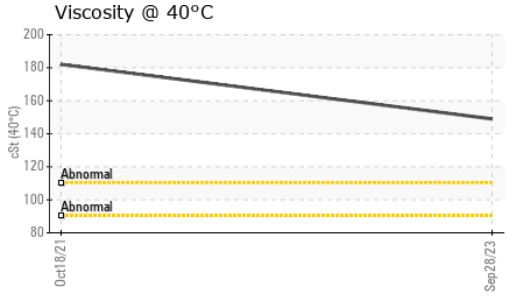
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	7	571	---
Sodium	ppm	ASTM D5185m	2	6	---
Potassium	ppm	ASTM D5185m >20	5	13	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	LIGHT	---
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 >0.2	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---



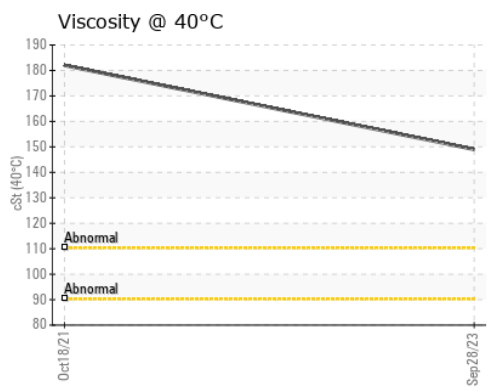
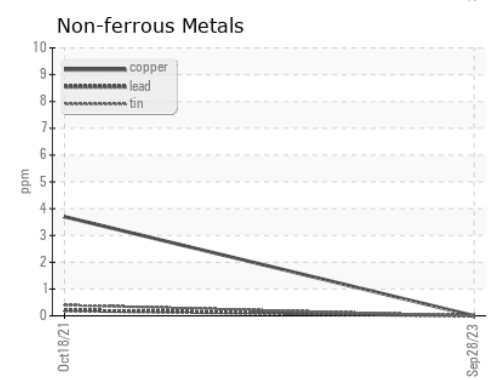
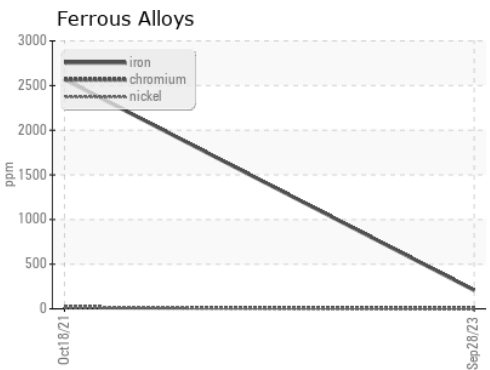
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	149	182	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0828537 **Received** : 02 Oct 2023
Lab Number : 05966722 **Diagnosed** : 24 Oct 2023
Unique Number : 10673273 **Diagnostician** : Angela Borella
Test Package : CONST

DUKE LAZZARA
 4201 FAYETTEVILLE RD
 RALEIGH, NC
 US 27603
 Contact: NICK DIXON
 NICK.DIXON@DUKELAZZAM.COM
 T: (919)760-7797
 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)