



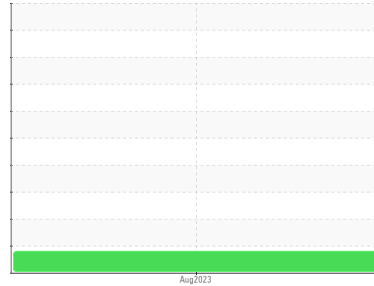
PROBLEM SUMMARY

Sample Rating Trend

WEAR

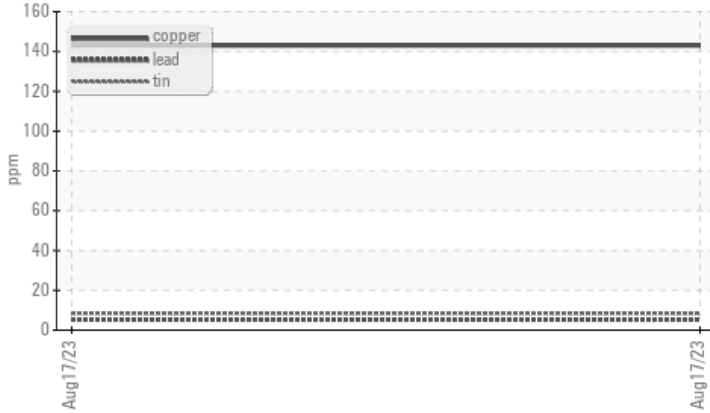


Machine Id
DOOSAN DA30 DDA30JH0741170
Component
Rear Differential
Fluid
DOOSAN 80W90 LIMITED SLIP (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Copper	ppm	ASTM D5185m	>100	▲ 143	---	---

Customer Id: GRALAV
Sample No.: KFS0002949
Lab Number: 05935029
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Sean Felton +1 919-379-4092
sfelton@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



WEAR



Machine Id
DOOSAN DA30 DDA30JH0741170
 Component
Rear Differential
 Fluid
DOOSAN 80W90 LIMITED SLIP (--- GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

The copper level is abnormal. All other 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	KFS0002949	---	---
Sample Date	Client Info	17 Aug 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	391	---
Chromium	ppm	ASTM D5185m >10	4	---
Nickel	ppm	ASTM D5185m >10	2	---
Titanium	ppm	ASTM D5185m	1	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	6	---
Lead	ppm	ASTM D5185m >25	5	---
Copper	ppm	ASTM D5185m >100	▲ 143	---
Tin	ppm	ASTM D5185m >10	8	---
Vanadium	ppm	ASTM D5185m	<1	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	16	---
Barium	ppm	ASTM D5185m	0	---
Molybdenum	ppm	ASTM D5185m	10	---
Manganese	ppm	ASTM D5185m	3	---
Magnesium	ppm	ASTM D5185m	6	---
Calcium	ppm	ASTM D5185m	236	---
Phosphorus	ppm	ASTM D5185m	2299	---
Zinc	ppm	ASTM D5185m	73	---
Sulfur	ppm	ASTM D5185m	25056	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	62	---
Sodium	ppm	ASTM D5185m	10	---
Potassium	ppm	ASTM D5185m >20	2	---

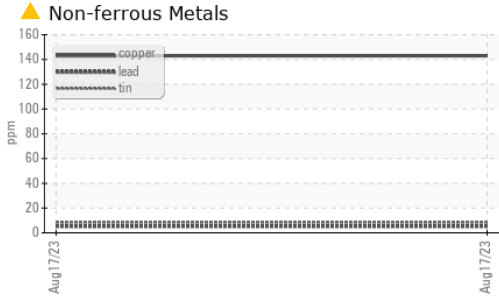
VISUAL

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

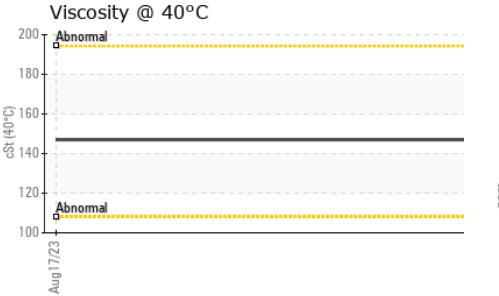
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	147	---

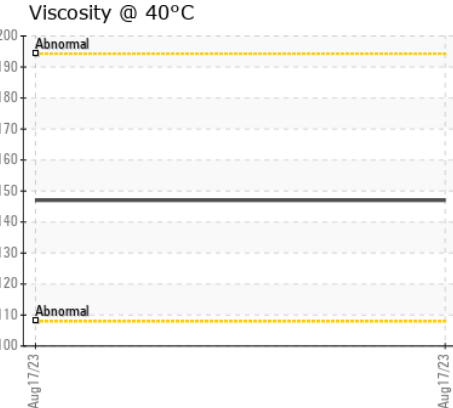
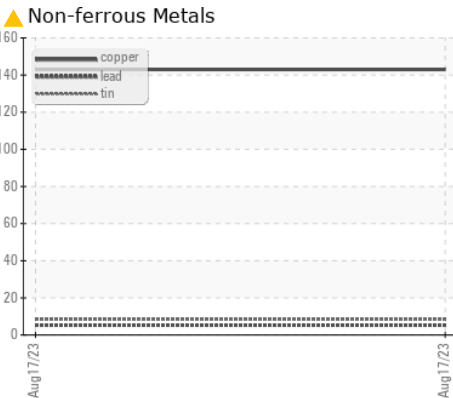
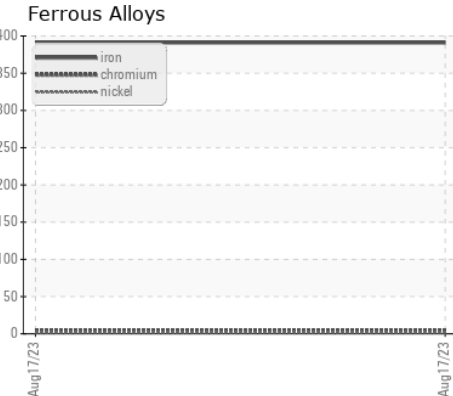
OIL ANALYSIS REPORT



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KFS0002949 **Received** : 25 Aug 2023
Lab Number : 05935029 **Diagnosed** : 28 Aug 2023
Unique Number : 10620300 **Diagnostician** : Sean Felton
Test Package : FLEET

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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)