

PROBLEM SUMMARY

Sample Rating Trend

WEAR

A

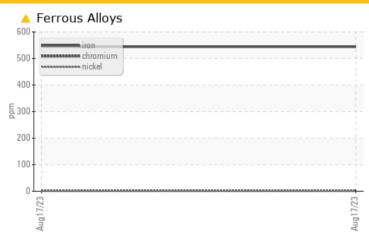
DOOSAN DA30 DDA30JH0741170

Component

Front Differential

DOOSAN 80W90 LIMITED SLIP (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS										
Sample Status			ABNORMAL							
Iron	ppm	ASTM D5185m	>500	<u> </u>						

Customer Id: GRALAV
Sample No.: KFS0002948
Lab Number: 05935030
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

DOOSAN DA30 DDA30JH0741170

Front Differential

DOOSAN 80W90 LIMITED SLIP (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the

Fluid Condition

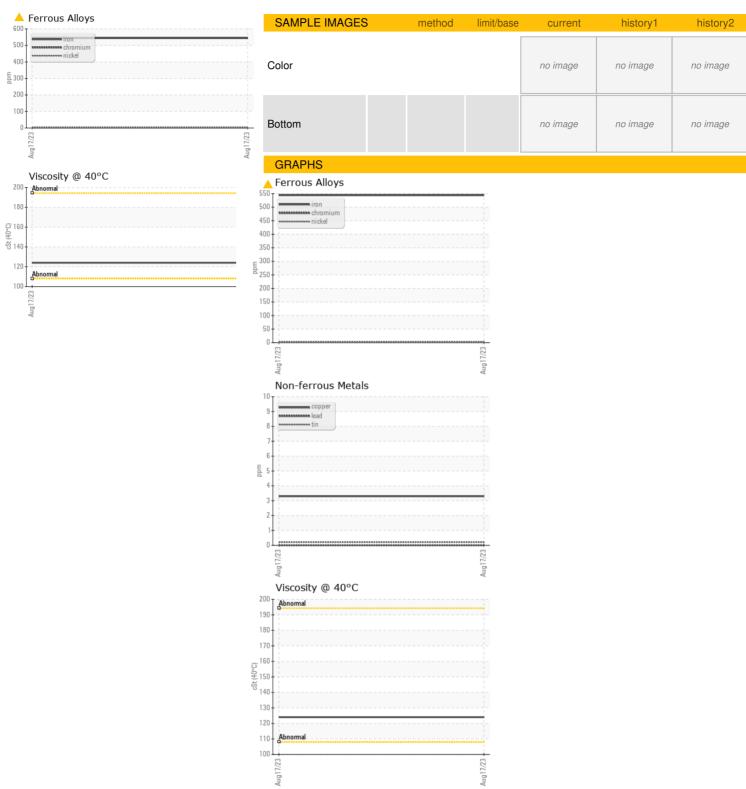
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION							
SAMPLE INFORMATION method limitbase current history1 history2 Sample Number Client Info KFS0002948 Sample Date Client Info 17 Aug 2023 Machine Age hrs Client Info 0 Oil Changed Client Info N/A Oil Changed Client Info N/A WEAR METALS method limitbase current history1 history2 Iron ppm ASTM D5185m >500 ♣ 544 Chromium ppm ASTM D5185m >10 2 Sliver ppm ASTM D5185m >10 1 Sliver ppm ASTM D5185m >25 2 Lead ppm ASTM D5185m >25 0 Vanadium ppm ASTM D5185m >10					Aug2023		
Sample Number Client Info KFS0002948 Sample Date Idlent Info 17 Aug 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status method Immiliation N/A VEAR METALS method Immiliation N/A Iron ppm ASTM D5185m >10 2 Korn ppm ASTM D5185m >10 2	SAMPLE INFORM	MATION	method			history1	history2
Sample Date Client Info 17 Aug 2023	Sample Number		Client Info		KFS0002948		
Machine Age hrs Client Info 0							
Oil Age hrs Client Info N/A Sample Status Client Info N/A WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 ▲ 544 Chromium ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >10 1 Silver ppm ASTM D5185m >10 1 Aluminum ppm ASTM D5185m >25 2 Aluminum ppm ASTM D5185m >25 2 Aluminum ppm ASTM D5185m >10 3 Copper ppm ASTM D5185m >10 3 Vanadium ppm ASTM D5185m >0 <	·	hrs			•		
Oil Changed Sample Status Client Info N/A <		hrs	Client Info		0		
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Iron					ABNORMAL		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>500	<u></u> 544		
Titanium	Chromium	ppm	ASTM D5185m	>10	2		
Silver	Nickel	ppm	ASTM D5185m	>10	1		
Aluminum	Titanium	ppm	ASTM D5185m		<1		
Lead	Silver		ASTM D5185m		0		
Lead	Aluminum		ASTM D5185m	>25	2		
Copper ppm ASTM D5185m >100 3 Tin ppm ASTM D5185m >10 <1	Lead			>25	0		
Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 20 Magnesium ppm ASTM D5185m 748 Calcium ppm ASTM D5185m 1983 Zinc ppm ASTM D5185m 246 Sulfur ppm ASTM D5185m >75 45 Sodium ppm ASTM D5185m >20 <	Copper		ASTM D5185m	>100	3		
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Silt scalar *Visual NONE LIGHT 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	Precipitate	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		scalar	*Visual	NONE	LIGHT		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Debris	scalar	*Visual	NONE			
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Sand/Dirt	scalar		NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	Appearance		*Visual				
Emulsified Water scalar *Visual >.2 NEG Free Water scalar *Visual NEG	• •				NORML		
Free Water scalar *Visual NEG							
FLUID PROPERTIES method limit/base current history1 history2							
	FLUID PROPERT	TES	method	limit/base	current	history1	history2

Contact/Location: R. SEXTON - GRALAV



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: KFS0002948 : 05935030 Unique Number : 10620301 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Aug 2023 Diagnosed : 28 Aug 2023

Diagnostician : Sean Felton

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: R. SEXTON

rsexton@bobcatofnashville.com T: (270)564-5327

GDN - BOBCAT OF NASHVILLE

149 INDUSTRIAL BLVD

LAVERGNE, TN

US 37066

* - 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)

F: