

PROBLEM SUMMARY

Sample Rating Trend

WEAR

MINING

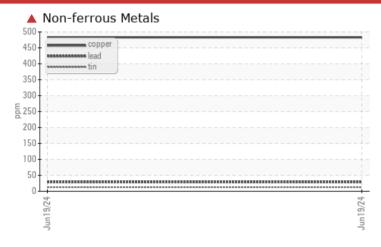
ME-103 JOHN DEERE 844L 1DW844LXHNL715325

Rear Differential

Fluid

JOHN DEERE HY-GARD HYD/TRANS (25 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Lead	ppm	ASTM D5185m	>25	^ 29				
Copper	ppm	ASTM D5185m	>100	483				
Tin	ppm	ASTM D5185m	>10	1 3				

Customer Id: COVMAR Sample No.: WC0942224 Lab Number: 06218646 Test Package: CONST



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						
Action	Status	Date	Done By	Description		
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.		
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Area MINING

ME-103 JOHN DEERE 844L 1DW844LXHNL715325

Rear Differential

near Dine

JOHN DEERE HY-GARD HYD/TRANS (25 GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Bearing and/or bushing wear is indicated.

Contamination

There is no indication of any contamination in the

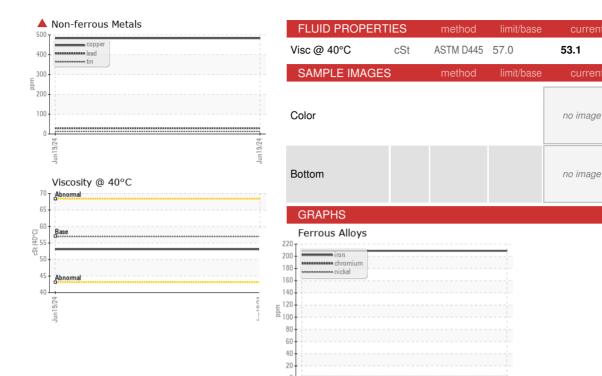
Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

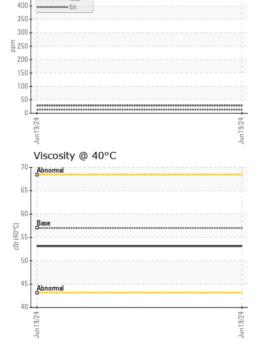
GAL)				Jun 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0942224		
Sample Date		Client Info		19 Jun 2024		
Machine Age	hrs	Client Info		4981		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	209		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>10	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	29		
Copper	ppm	ASTM D5185m	>100	483		
Tin	ppm	ASTM D5185m	>10	1 3		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	31		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		36		
Magnesium	ppm	ASTM D5185m	145	76		
Calcium	ppm	ASTM D5185m	3570	3386		
Phosphorus	ppm	ASTM D5185m	1290	999		
Zinc	ppm	ASTM D5185m	1640	631		
Sulfur	ppm	ASTM D5185m		4110		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	12		
Sodium	ppm	ASTM D5185m		7		
Potassium	ppm	ASTM D5185m	>20	1		
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		
0·17·25) Ray: 1				C.,	hmitted By: PAI	II DDIDCEMANI



OIL ANALYSIS REPORT



▲ Non-ferrous Metals





Certificate 12367

Laboratory Sample No.

: WC0942224 Lab Number : 06218646 Unique Number : 11096843 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Jun 2024 Tested : 25 Jun 2024

Diagnosed

: 26 Jun 2024 - Sean Felton To discuss this sample report, contact Customer Service at 1-800-237-1369.

MARSTON, NC US 28363 Contact: Matt Wilkins matt.wilkins@coviacorp.com T: (919)815-5671

COVIA - MARSTON - 012

541 COGNAC ROAD

* - 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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no image

no image