WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL NORMAL

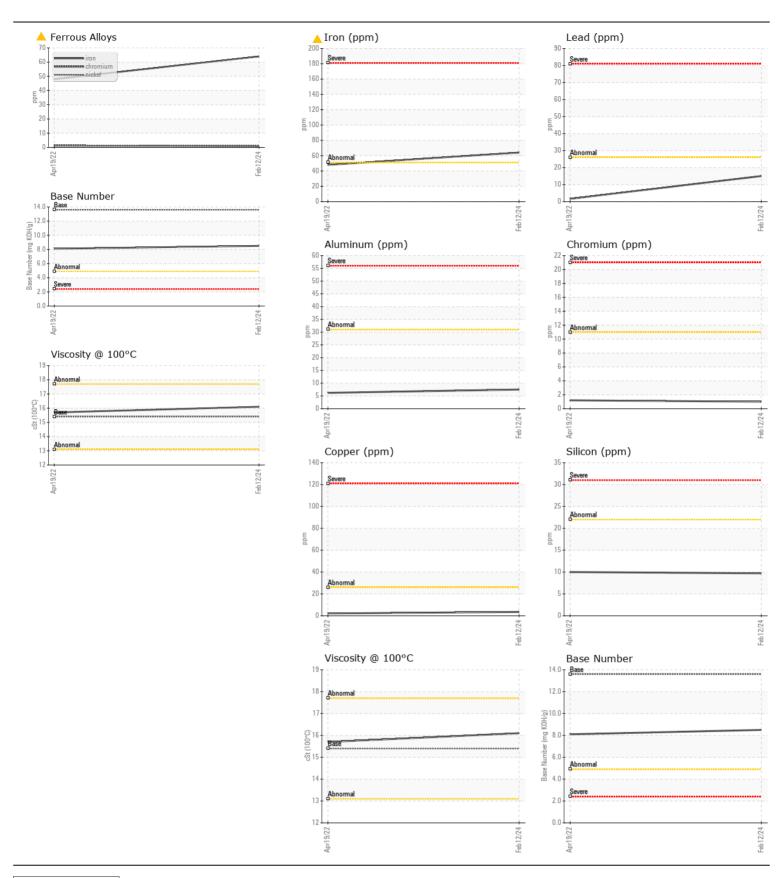


Area [W8456]

JOHN DEERE 200D C185762 (S/N 1FF200DXPBD512817)

Diesel Engine

Machine Age nrs Client Info 6753 0	JOHN DEERE ENGINE OIL PLU	JS 50 II 15W	40 (- GAL)				
No corrective action is recommended at this time. Pleasample at the next service interval to monitor. (Customer Sample Comment: WB456 Sample Date Client Info 12 Feb 2024 19 Apr 2022 19 A	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	Historv1	Historv2
No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: WB456) Machine Age Ins. Client Info				Client Info			,	,
Machine Age hrs		•				12 Feb 2024	19 Apr 2022	
Filter Age Oil Changad Oil O		Machine Age	hrs	Client Info		6753	0	
Oil Changed Cilent Info NA N/A N		Oil Age	hrs	Client Info		6753	0	
Filter Changed Sample Status Sample Stat		Filter Age	hrs	Client Info		0	0	
VEAR		Oil Changed		Client Info		N/A	N/A	
Iron		Filter Changed		Client Info		N/A	N/A	
Chromium Dpm ASTM D5185m 1 1 1 1 1 1 1 1 1		Sample Status				ABNORMAL	NORMAL	
Chromium Dpm ASTM D5185m 1 1 1 1 1 1 1 1 1	WEAR			40TH DE 10E			40	
Nicke	WEAK							
No. Pin ASTM D5185m Color Copper Copper ASTM D5185m Color Copper								
Silver ppm ASTM 05185m >3 0 <1 Alluminum ppm ASTM 05185m >3 1 8 6 Lead ppm ASTM 05185m >26 15 2 Copper ppm ASTM 05185m >26 4 2 Tim ppm ASTM 05185m >4 <1 <1 Vanadium ppm ASTM 05185m >4 <1 <1 Value Metal Scalar "Visual NONE			• • • • • • • • • • • • • • • • • • • •		>5			
Aluminum ppm ASTM 05185m >26 15 2								
Lead ppm ASTM DS185m >26 4 2								
Copper								
Tin								
Vanadium ppm ASTM D5185m < 1 < 1 <								
White Metal Scalar *Visual NONE NO					>4			
Yellow Metal Scalar "Visual NONE N					NONE			
Potassium ppm ASTM D5185m >22 10 10						_		
Potassium ppm ASTM D5185m > 20 3 6	<u></u>	Tellow Metal	Scalai	VISUAI	INOINE	INOINE	INOINE	
Potassium ppm ASTM D5185m > 20 3 6	CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	10	10	
Water		Potassium	ppm	ASTM D5185m	>20	3	6	
Glycol		Fuel		WC Method	>2.1	<1.0	<1.0	
Soot %		Water		WC Method	>0.21	NEG	NEG	
Nitration		Glycol		WC Method		NEG	NEG	
Sulfation Abs/.tmm *ASTM D7415 >30 26.4 26.5		Soot %	%	*ASTM D7844	>3	2.2	2.1	
Silt scalar *Visual NONE NORML NOR								
Debris Scalar *Visual NONE NONE NONE NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML NORML			Abs/.1mm					
Sand/Dirt Scalar *Visual NONE NONE NORML								
Appearance								
Codor Scalar *Visual NORML NOR								
Emulsified Water scalar *Visual >0.21 NEG NEG								
Sodium ppm ASTM D5185m >31 0 9								
Boron ppm ASTM D5185m 149 60		Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	
Boron ppm ASTM D5185m 149 60	FI UID CONDITION	Sodium	mag	ASTM D5185m	>31	0	9	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Barium ppm ASTM D5185m 276 26 Molybdenum ppm ASTM D5185m <1 <1 Magnesium ppm ASTM D5185m 867 290 Calcium ppm ASTM D5185m 1430 2096 Phosphorus ppm ASTM D5185m 871 989 Zinc ppm ASTM D5185m 1092 1236 Sulfur ppm ASTM D5185m 2728 2972 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 18.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.5 8.1								
Molybdenum ppm ASTM D5185m	· · · · · · · · · · · · · · · · · · ·							
Manganese ppm ASTM D5185m <1			• •					
Magnesium ppm ASTM D5185m 867 290 Calcium ppm ASTM D5185m 1430 2096 Phosphorus ppm ASTM D5185m 871 989 Zinc ppm ASTM D5185m 1092 1236 Sulfur ppm ASTM D5185m 2728 2972 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 18.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.5 8.1		•						
Calcium ppm ASTM D5185m 1430 2096 Phosphorus ppm ASTM D5185m 871 989 Zinc ppm ASTM D5185m 1092 1236 Sulfur ppm ASTM D5185m 2728 2972 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 18.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.5 8.1		-						
Phosphorus ppm ASTM D5185m 871 989 Zinc ppm ASTM D5185m 1092 1236 Sulfur ppm ASTM D5185m 2728 2972 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 18.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.5 8.1		•				1430		
Zinc ppm ASTM D5185m 1092 1236 Sulfur ppm ASTM D5185m 2728 2972 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 18.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.5 8.1				ASTM D5185m			989	
Sulfur ppm ASTM D5185m 2728 2972 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 18.8 Base Number (BN) mg KOH/g ASTM D2896 13.6 8.5 8.1		·	ppm				1236	
Base Number (BN) mg KOH/g ASTM D2896 13.6 8.5 8.1		Sulfur		ASTM D5185m		2728	2972	
		Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	18.8	
Visc @ 100°C cSt ASTM D445 15.4 16.1 15.7		Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.5	8.1	
		Visc @ 100°C	cSt	ASTM D445	15.4	16.1	15.7	





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0196803 Lab Number : 06087094

Received **Tested** Unique Number : 10874539

: 14 Feb 2024 : 14 Feb 2024 - Don Baldridge Diagnosed Test Package: MOBCE (Additional Tests: TBN)

: 13 Feb 2024

JRE - HOPE MILLS/FAYETTEVILLE 5039 HWY 301 SOUTH

HOPE MILLS, NC US 28348

Contact: FAYETTEVILLE SHOP stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com T:

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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