WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ATTENTION



JOHN DEERE 850K 313616 Component Right Outer Final Drive

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0126076		
Sample Date		Client Info		15 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				ATTENTION		
PQ		ASTM D8184	>1250	66		
Iron	ppm	ASTM D5185m	>750	70		
Chromium	ppm	ASTM D5185m	>9	1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>40	9		
Lead	ppm	ASTM D5185m	>15	0		
Copper	ppm	ASTM D5185m	>40	0		
Tin	ppm	ASTM D5185m	>10	1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>75	24		
Potassium	ppm	ASTM D5185m	>20	<1		
Water		WC Method	>0.075	NEG		
Silt	scalar	*Visual	NONE	MODER		
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	>0.075	NEG		
Sodium	ppm	ASTM D5185m	>170	2		
Boron	ppm	ASTM D5185m	400	0		
Barium	ppm	ASTM D5185m	200	0		
Molybdenum	ppm	ASTM D5185m	12	<1		
Manganese	ppm	ASTM D5185m		<1		
		ASTM D5185m	12	95		
Magnesium	ppm	AO IIVI DO IOOIII	12	_ 33		
Magnesium Calcium	ppm	ASTM D5185m		3247		
-			150			
Calcium	ppm	ASTM D5185m	150 1650 125	3247		
	Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status PQ Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Barium ppm Barium ppm	Sample Date Machine Age Nrs Client Info Oil Age Nrs Client Info Cilent Info Client Info Sample Status PQ ASTM D8184 Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Valual Vellow Metal Scalar Visual Silicon ppm ASTM D5185m Vater WC Method Silt Scalar Scalar Visual Appearance Scalar Appearance Scalar Scalar Svisual Sand/Dirt Scalar Scalar Visual Sand/Dirt Scalar Scalar Visual Sand/Dirt Scalar Scalar Visual Sand/Dirt Scalar Scalar Visual Sand/Dirt Scalar Scalar Scalar Visual Appearance Scalar Scal	Sample Date Machine Age Inro Oil Age Inro Oil Changed Filter Changed Iron Titanium Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Aluminum Ppm ASTM D5185m A	Sample Number Client Info JR0126076 Sample Date Client Info 15 Apr 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info Changed Filter Changed Client Info Changed Sample Status ATTENTION PQ ASTM D8184 >1250 66 Iron ppm ASTM D5185m >750 70 Chromium ppm ASTM D5185m >9 1 Nickel ppm ASTM D5185m >9 1 Titanium ppm ASTM D5185m >0 9 Lead ppm ASTM D5185m >40 9 Lead ppm ASTM D5185m >40 9 Lead ppm ASTM D5185m >40 0 Tin ppm ASTM D5185m >10 1 Vanadium ppm ASTM D5185m >0 0 <th>Sample Number Client Info JR0126076 Sample Date Client Info 15 Apr 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info Changed Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ATTENTION PQ ASTM D8184 >1250 66 Iron ppm ASTM D8185m >750 70 Chromium ppm ASTM D8185m >9 1 Nickel ppm ASTM D8185m >10 <1 Silver ppm ASTM D8185m >0 Aluminum ppm ASTM D8185m >40 9 Lead ppm ASTM D8185m >15 0</th>	Sample Number Client Info JR0126076 Sample Date Client Info 15 Apr 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info Changed Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ATTENTION PQ ASTM D8184 >1250 66 Iron ppm ASTM D8185m >750 70 Chromium ppm ASTM D8185m >9 1 Nickel ppm ASTM D8185m >10 <1 Silver ppm ASTM D8185m >0 Aluminum ppm ASTM D8185m >40 9 Lead ppm ASTM D8185m >15 0

Visc @ 40°C

cSt

58.6

ASTM D445 143





Laboratory

Sample No.

: JR0126076 Lab Number : 06149625

Unique Number : 10979703

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 15 Apr 2024 **Tested** Diagnosed Test Package : MOBCE (Additional Tests: PQ)

: 16 Apr 2024

: 18 Apr 2024 - Sean Felton

JRE - SALEM 3902 W. MAIN STREET SALEM, VA US 24153

Contact: BUTCH GOAD bgoad@jrenet.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.

F: (540)380-5547 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: BUTCH GOAD - JAMSALJR