

OIL ANALYSIS REPORT

Sample Rating Trend



JOHN DEERE 843L-II 1DW843LBKPF717020

Component

Rear Differential

JOHN DEERE HY-GARD HYD/TRANS (--- G

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

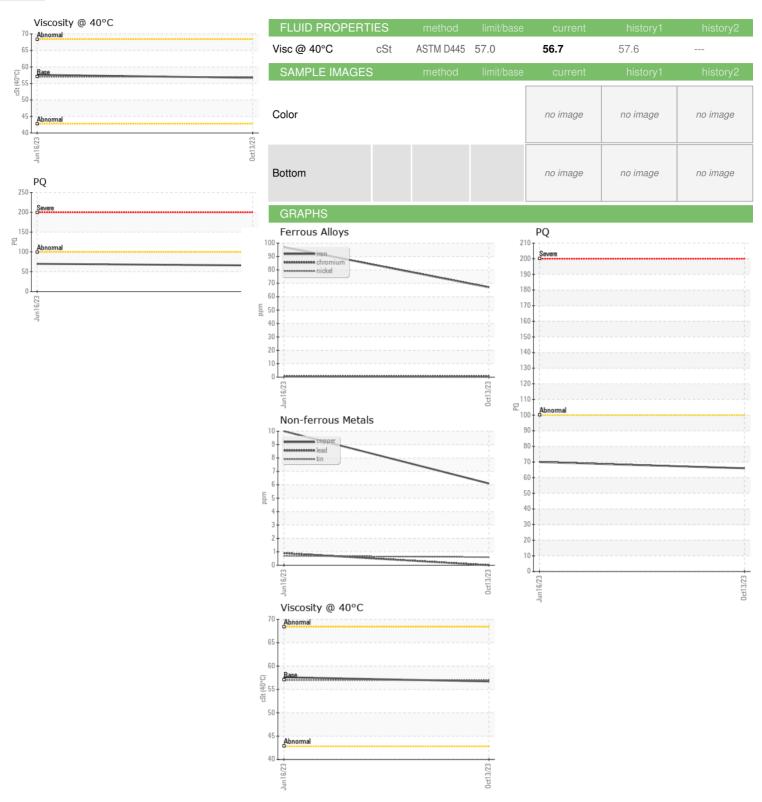
The condition of the oil is acceptable for the time in service.

Sample Number Client Info JR0180556 JR0165346							
Sample Number Client Info JR0180556 JR0165346				Jun2023	0ct 2 023		
Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 497	Sample Number		Client Info		JR0180556	JR0165346	
Dil Age	Sample Date		Client Info		13 Oct 2023	16 Jun 2023	
Client Info	Machine Age	hrs	Client Info		998	497	
NORMAL N	Oil Age	hrs	Client Info		0	497	
WEAR METALS method limit/base current history1 history2 PQ ASTM D8184 66 70 cron ppm ASTM D5185m >500 67 97 Chromium ppm ASTM D5185m >10 <1	Oil Changed		Client Info		Changed	Changed	
PQ	Sample Status				NORMAL	NORMAL	
Conc Chromium C	WEAR METALS		method	limit/base	current	history1	history2
Chromium	PQ		ASTM D8184		66	70	
Nickel	ron	ppm	ASTM D5185m	>500	67	97	
Silver	Chromium	ppm	ASTM D5185m	>10	<1	<1	
Astronometric Astronometri	Nickel	ppm	ASTM D5185m	>10	0	<1	
ASTM D5185m >25	Titanium	ppm	ASTM D5185m		<1	0	
December December	Silver	ppm	ASTM D5185m		0	0	
Dead	Aluminum	ppm	ASTM D5185m	>25	<1	2	
Copper	_ead	ppm	ASTM D5185m	>25	0	<1	
ASTM D5185m D74 D75 D76 D7	Copper		ASTM D5185m	>100		10	
Vanadium ppm ASTM D5185m 0 <1 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 3 0 Manganese ppm ASTM D5185m 2 5 Magnesium ppm ASTM D5185m 145 114 103 Calcium ppm ASTM D5185m 3570 2954 3594 Phosphorus ppm ASTM D5185m 1290 908 1011 Zinc ppm ASTM D5185m 1640 1074 1258 Siliton ppm ASTM D5185m 3298 4271 <td></td> <td></td> <td></td> <td>>10</td> <td>_</td> <td><1</td> <td></td>				>10	_	<1	
Description							
Soron ppm ASTM D5185m 6 7 <1							
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 3 0	Boron	ppm	ASTM D5185m	6	7	<1	
Molybdenum ppm ASTM D5185m 0 3 0 Manganese ppm ASTM D5185m 2 5 Magnesium ppm ASTM D5185m 145 114 103 Calcium ppm ASTM D5185m 3570 2954 3594 Phosphorus ppm ASTM D5185m 1290 908 1011 Zinc ppm ASTM D5185m 1640 1074 1258 Sulfur ppm ASTM D5185m 3298 4271 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >75 6 9 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >75 6 9 Potassium ppm ASTM D5185m >20 0<	Barium	ppm	ASTM D5185m	0	0	0	
Manganese ppm ASTM D5185m 2 5 Magnesium ppm ASTM D5185m 145 114 103 Calcium ppm ASTM D5185m 3570 2954 3594 Phosphorus ppm ASTM D5185m 1290 908 1011 Zinc ppm ASTM D5185m 1640 1074 1258 Sulfur ppm ASTM D5185m 3298 4271 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 6 9 Sodium ppm ASTM D5185m >20 0 <1	Molybdenum		ASTM D5185m	0	3	0	
Magnesium ppm ASTM D5185m 145 114 103 Calcium ppm ASTM D5185m 3570 2954 3594 Phosphorus ppm ASTM D5185m 1290 908 1011 Zinc ppm ASTM D5185m 1640 1074 1258 Sulfur ppm ASTM D5185m 3298 4271 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 6 9 Sodium ppm ASTM D5185m >20 0 <1	•					5	
Calcium ppm ASTM D5185m 3570 2954 3594	•			145	114	103	
Phosphorus ppm ASTM D5185m 1290 908 1011 Zinc ppm ASTM D5185m 1640 1074 1258 Sulfur ppm ASTM D5185m 3298 4271 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 6 9 Sodium ppm ASTM D5185m >20 0 <1							
Time							
Sulfur ppm ASTM D5185m 3298 4271 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 6 9 Sodium ppm ASTM D5185m 3 5 Potassium ppm ASTM D5185m >20 0 <1							
Solition ppm ASTM D5185m >75 6 9	-			1040	-		
Solition ppm ASTM D5185m >75 6 9	CONTAMINANTS	5	method	limit/base	current	history1	history2
Sodium			ASTM D5185m	>75	6		
Potassium ppm ASTM D5185m >20 0 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE MODER Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG							
White Metal scalar *Visual NONE NONE MODER Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG				>20	0	<1	
Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Ddor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG	VISUAL		method	limit/base	current	history1	history2
Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Dodor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG	White Metal	scalar	*Visual	NONE	NONE	MODER	
Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Ddor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG	Yellow Metal	scalar	*Visual	NONE			
Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Ddor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG							
Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Ddor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG							
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG							
Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG							
Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG							
Emulsified Water scalar *Visual >.2 NEG NEG	• •						
	Free Water	scalar	*Visual	7.C	NEG	NEG	

Contact/Location: DAVID ZIEG - JAMASH



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number Unique Number

: JR0180556 : 05981392 : 10698687

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Oct 2023 Diagnosed : 19 Oct 2023

Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: PQ) 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)

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA

US 23005 Contact: DAVID ZIEG

dzieg@jamesriverequipment.com

Contact/Location: DAVID ZIEG - JAMASH

T: (804)798-6001 F: (804)798-0292