

OIL ANALYSIS REPORT

Sample Rating Trend





Area [19160] 5066 Component **Drop Box**

JOHN DEERE HD Syn





Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: John Deere oil trans synthetic oil)

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 INFORMATION method limit/base current history1 history2 Sample Number Client Info WC0818608 Sample Date Client Info 06 Sep 2023 Machine Age hrs Client Info 3425 Oil Age hrs Client Info 3115 Oil Changed Client Info Not Changd Sample Status NORMAL							
Sample Number Client Info WC0818608	ran (GAL)				Sep 2023		
Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 3425	Sample Number		Client Info		WC0818608		
Dil Age	Sample Date		Client Info		06 Sep 2023		
Dil Changed Client Info Not Changd NORMAL Not Changed NORMAL Normalization	Machine Age	hrs	Client Info		3425		
WEAR METALS	Oil Age	hrs	Client Info		3115		
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >400 234	Oil Changed		Client Info		Not Changd		
Chromium	Sample Status				NORMAL		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
ASTM D5185m Same	ron	ppm	ASTM D5185m	>400	234		
Silver	Chromium	ppm	ASTM D5185m	>4	1		
Alluminum	Nickel	ppm	ASTM D5185m	>3	<1		
All All	Titanium	ppm	ASTM D5185m		<1		
December December	Silver	ppm	ASTM D5185m		0		
ASTM D5185m SO	Aluminum		ASTM D5185m	>15	<1		
ASTM D5185m SO	_ead		ASTM D5185m	>20	12		
ASTM D5185m ASTM D5185m D	Copper		ASTM D5185m	>50	67		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 168 153 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 33 42 Calcium ppm ASTM D5185m 33 42 Phosphorus ppm ASTM D5185m 33 42 Phosphorus ppm ASTM D5185m 0 3 Cinc ppm ASTM D5185m 980 1619 <	• •				-		
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ASTM D5185m Dept							
ASTM D5185m December Decemb	ADDITIVES		method	limit/base	current	history1	history2
Sarium	Boron	maa	ASTM D5185m	168	153		
Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 33 42 Phosphorus ppm ASTM D5185m 330 284 Pince ppm ASTM D5185m 0 3 Sulfur ppm ASTM D5185m 980 1619 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 6 Contassium ppm ASTM D5185m >20 <1	Barium		ASTM D5185m		0		
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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 NOR NEG Free Water scalar *Visual<	Sodium		ASTM D5185m		-		
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 NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual NEG				>20			
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 Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual NEG	VISUAL		method	limit/base	current	history1	history2
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Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual NEG							
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual NEG							
Odor scalar *Visual NORML Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual NEG							
Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual NEG	• •						
Free Water scalar *Visual NEG							
FLUID PROPERTIES method limit/base current history1 history2				20.5			
	FLUID PROPERT	IES	method	limit/base	current	historv1	history2

Visc @ 40°C

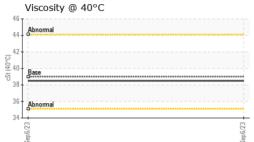
cSt

ASTM D445 39

38.5

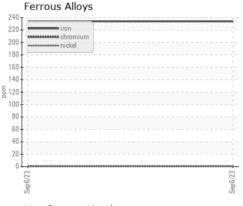


OIL ANALYSIS REPORT

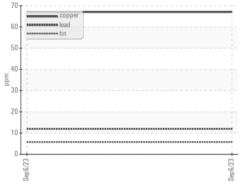


Si	AMPLE IMAGES	n	nethod	limit/base	current	history1	history2
Col	lor				no image	no image	no image
Bot	tom				no image	no image	no image

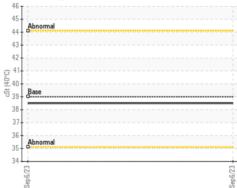
GRAPHS



Non-ferrous Metals



Viscosity @ 40°C







Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10675026

: WC0818608 : 05968475 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 03 Oct 2023 Received Diagnosed : 04 Oct 2023

Diagnostician : Doug Bogart

MANHATTAN ROAD AND BRIDGE 5601 S 122ND E AVE

TULSA, OK US 74146

Contact: JAMES STEELMON

james.steelmon@manhattanrb.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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