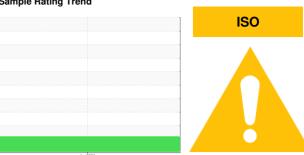


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

JOHN DEERE 1N0C770PHR4249013

Right Hydraulic System

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

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

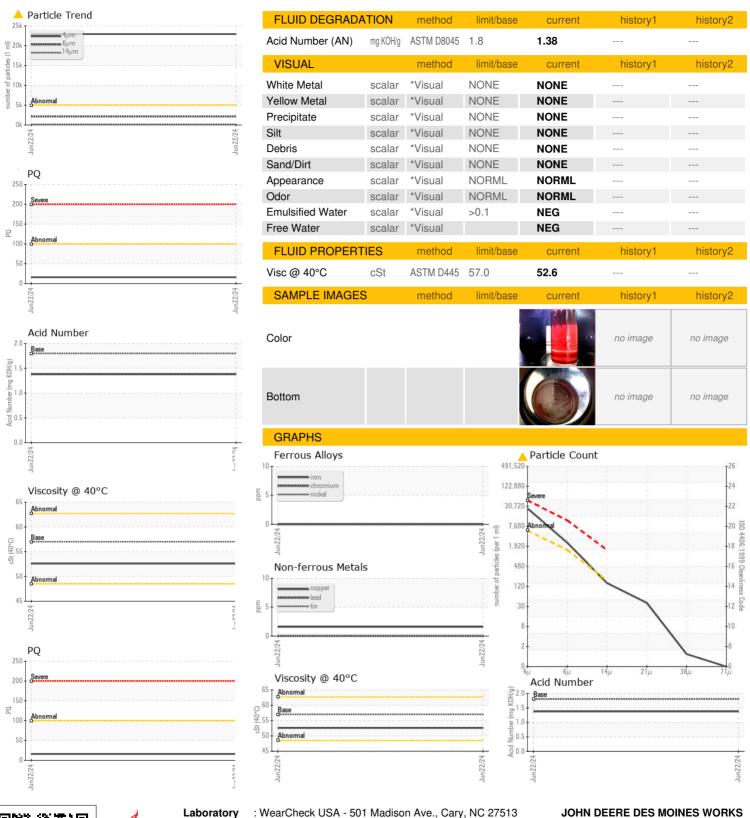
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

AL)				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0818514		
Sample Date		Client Info		22 Jun 2024		
Machine Age	hrs	Client Info		91		
Oil Age	hrs	Client Info		91		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16		
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	2		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	10		
Barium	ppm	ASTM D5185m	0	<1		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	145	103		
Calcium	ppm	ASTM D5185m	3570	3688		
Phosphorus	ppm	ASTM D5185m	1290	1088		
Zinc	ppm	ASTM D5185m	1640	1239		
Sulfur	ppm	ASTM D5185m		4242		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	13		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>22941</u>		
Particles >6µm		ASTM D7647	>1300	<u>2152</u>		
Particles >14µm		ASTM D7647	>160	133		
Particles >21µm		ASTM D7647	>40	34		
Particles >38µm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/18/14</u>		

Contact/Location: NATHAN BRACE - JOHJOHUS



OIL ANALYSIS REPORT







Laboratory Sample No.

: WC0818514 Lab Number : 06219566

Unique Number : 11097763

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

: 25 Jun 2024 **Tested** Diagnosed

: 26 Jun 2024 : 26 Jun 2024 - Wes Davis

6595 NW 56TH ST JOHNSTON, IA US 50130 Contact: NATHAN BRACE

bracenathant@johndeere.com T: (515)289-7140

Test Package : CONST (Additional Tests: PQ) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)