

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



JOHN DEERE 450J T0450JX156983

Component
Hydraulic System

{not provided} (25 QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

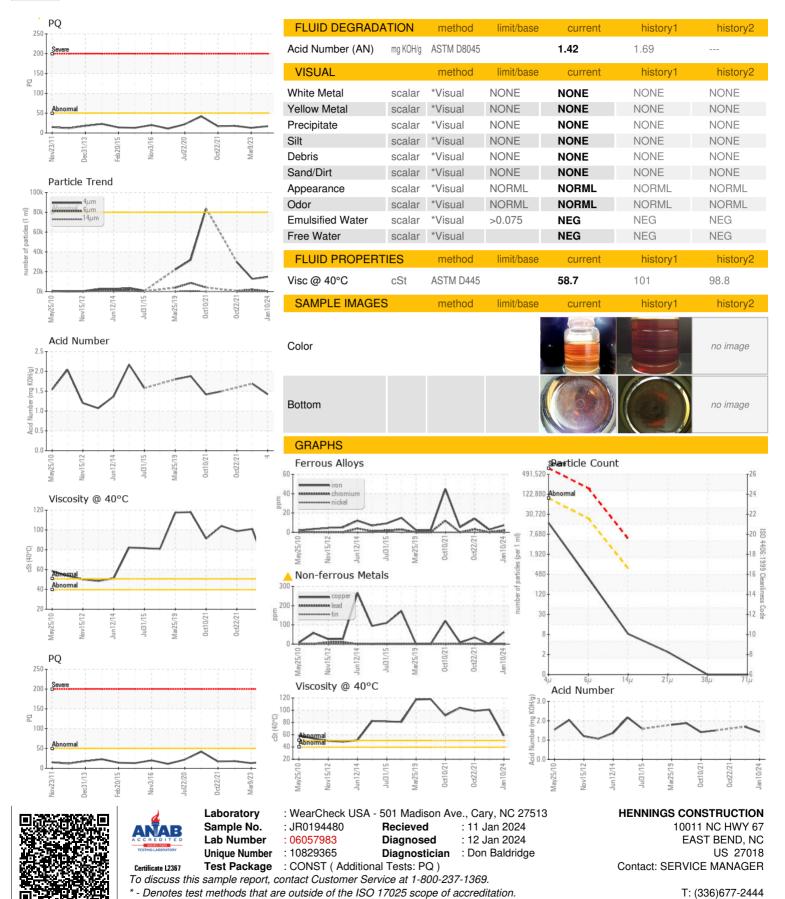
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

5)		/lay2010 Nov	2012 Jun2014 Jul2019	5 Mar2019 Oct2021 Oct20	21 Jan2024	
SAMPLE INFORMA	TION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0194480	JR0158125	JR0100341
Sample Date		Client Info		10 Jan 2024	09 Mar 2023	22 Oct 2021
Machine Age h	ırs	Client Info		6379	6286	5799
Oil Age h	ırs	Client Info		0	0	18
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	17	13	18
Iron p	pm	ASTM D5185m	>23	7	3	5
Chromium p	pm	ASTM D5185m	>9	2	<1	0
Nickel p	pm	ASTM D5185m	>5	0	0	0
Titanium p	pm	ASTM D5185m		<1	0	<1
Silver	pm	ASTM D5185m		0	<1	<1
Aluminum p	pm	ASTM D5185m	>9	4	2	5
Lead	pm	ASTM D5185m	>28	0	0	1
Copper p	pm	ASTM D5185m	>51	△ 62	<1	8
	pm	ASTM D5185m	>5	<1	0	<1
	pm	ASTM D5185m				0
Vanadium p	pm	ASTM D5185m		0	<1	<1
	pm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron p	pm	ASTM D5185m		76	224	264
Barium p	pm	ASTM D5185m		0	0	<1
Molybdenum p	pm	ASTM D5185m		61	198	234
Manganese p	pm	ASTM D5185m		<1	<1	<1
Magnesium p	pm	ASTM D5185m		291	701	775
Calcium	pm	ASTM D5185m		3547	1550	1585
Phosphorus p	pm	ASTM D5185m		1264	825	960
Zinc p	pm	ASTM D5185m		1449	1023	1033
Sulfur p	pm	ASTM D5185m		4900	3572	2798
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	pm	ASTM D5185m	>31	12	7	7
Sodium p	pm	ASTM D5185m	>21	0	1	2
Potassium p	pm	ASTM D5185m	>20	3	1	2
FLUID CLEANLINES	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>80000	14809	12779	
Particles >6µm		ASTM D7647	>20000	334	1936	
Particles >14µm		ASTM D7647	>640	7	103	
Particles >21µm		ASTM D7647	>160	2	26	
Particles >38µm		ASTM D7647	>40	0	0	
Particles >71µm		ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>23/21/16	21/16/10	21/18/14	
o.ou		.50 .100 (0)	0, _ 1, 10	,,	, ., .,	



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: