

[W66289]

JOHN DEERE 350G 1FF350GXPLF814924

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (50 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66289)



All component wear rates are normal.

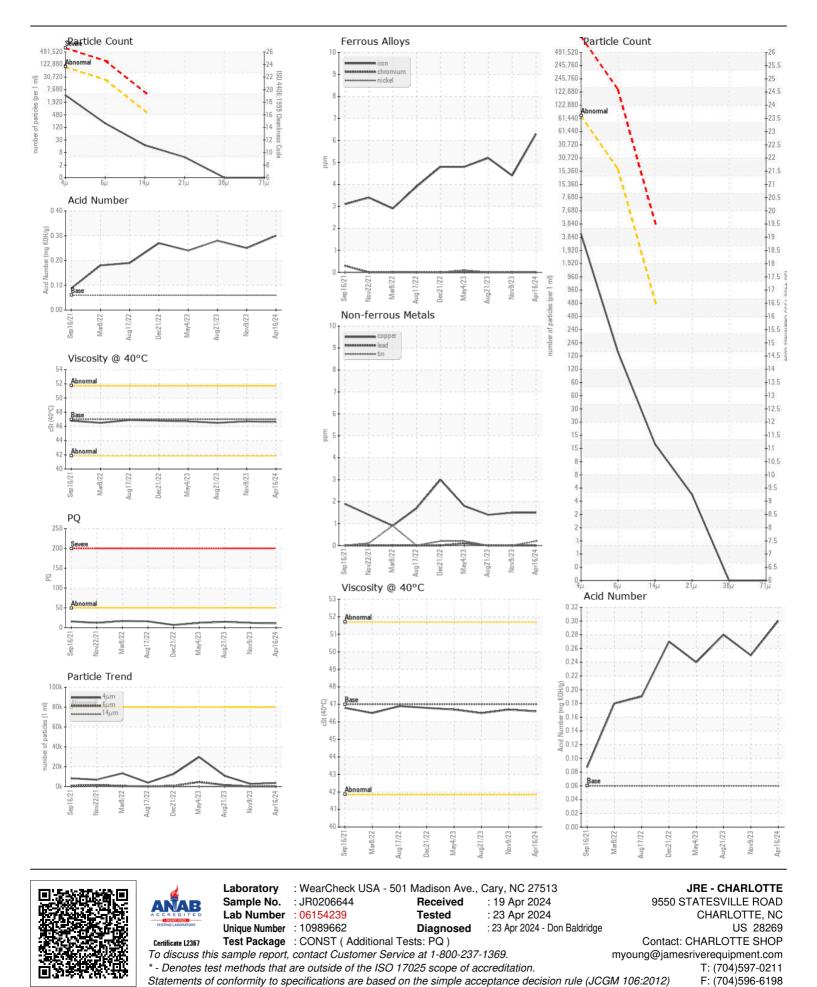
CONTAMINATION

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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206644	JR0189375	JR0178739
Sample Date		Client Info		16 Apr 2024	09 Nov 2023	21 Aug 2023
Machine Age	hrs	Client Info		4681	4041	3550
Oil Age	hrs	Client Info		3089	2940	3017
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>50	11	12	15
Iron	ppm	ASTM D5185m	>32	6	4	5
Chromium	ppm	ASTM D5185m	>9	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	0	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	1	2
Lead	ppm	ASTM D5185m	>28	0	0	0
Copper	ppm	ASTM D5185m	>50	2	2	1
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m	NONE	0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>11	2	2	2
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	ppiii	WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647		3656	2823	10784
Particles >6µm		ASTM D7647	>200000	166	144	1616
Particles >14µm		ASTM D7647	>640	15	12	120
Particles >21µm		ASTM D7647	>160	4	3	30
Particles >38µm		ASTM D7647		0	0	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	19/15/11	19/14/11	21/18/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>21	2	<1	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m	007	22	28	33
Phosphorus	ppm	ASTM D5185m	827	499	522	486
Zinc	ppm	ASTM D5185m	0	17	30	28
Sulfur	ppm	ASTM D5185m	13	213	172	189
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.30	0.25	0.28
Visc @ 40°C	cSt	ASTM D445	47	46.6	46.7	46.5



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