

## [W51294] JOHN DEERE 350P 1FF350PAERF001342 Component Hydraulic System Fluid HITACHI HYDRAULIC SUPER EX 46HN (--- GAL)

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.



All component wear rates are normal.

## CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The amount and size of particulates present in the system are acceptable.

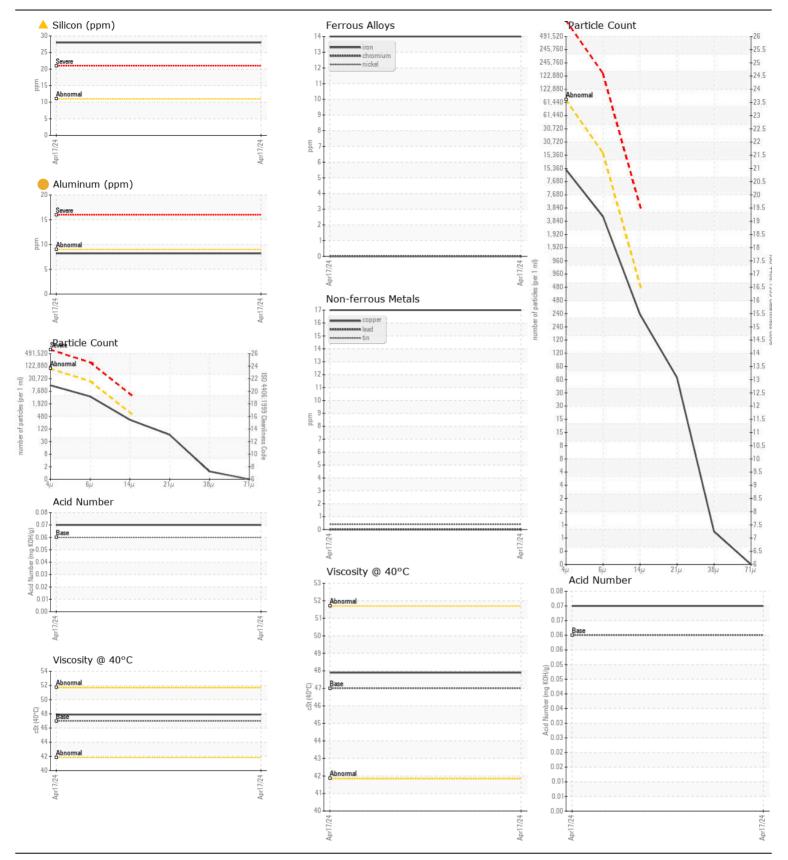
## FLUID CONDITION

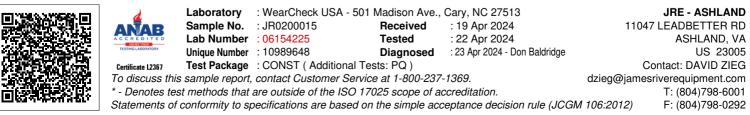
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200015		
Sample Date		Client Info		17 Apr 2024		
Machine Age	hrs	Client Info		294		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		Not Changd		
Filter Changed		Client Info		Changed		
Sample Status				ABNORMAL		
PQ		ASTM D8184	>50	22		
Iron	ppm	ASTM D5185m	>32	14		
Chromium	ppm	ASTM D5185m	>9	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>9	8		
Lead	ppm	ASTM D5185m	>28	0		
Copper	ppm	ASTM D5185m	>50	17		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>11	<b>A</b> 28		
Potassium	ppm	ASTM D5185m	>20	3		
Water		WC Method	>0.075	NEG		
Particles >4µm		ASTM D7647	>80000	12932		
Particles >6µm		ASTM D7647	>20000	3790		
Particles >14µm		ASTM D7647	>640	293		
Particles >21µm		ASTM D7647	>160	56		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>23/21/16	21/19/15		
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	>0.075	NEG		
0			04			
Sodium	ppm	ASTM D5185m	>21	4		
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m	0.07	31		
Phosphorus	ppm	ASTM D5185m		571		
Zinc	ppm	ASTM D5185m	0	20		
Sulfur	ppm	ASTM D5185m	13	154		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.07		
Vine @ 10°C	001	ACTM D445	17	47.0		

Visc @ 40°C cSt ASTM D445 47

47.9





Contact/Location: DAVID ZIEG - JAMASH Page 2 of 2