

Machine Id **JOHN DEERE 135P 1FF135PAPNF000121** omponent **Hydraulic System** HITACHI HYDRAULIC SUPER EX 46HN (--- GAL)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0217656		
Resample at the next service interval to monitor.	Sample Date		Client Info		20 May 2024		
	Machine Age	hrs	Client Info		446		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	0	1115			-		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
WEAR	PQ		ASTM D8184	>50	14		
All component wear rates are normal.	Iron	ppm	ASTM D5185m	>32	3		
	Chromium	ppm	ASTM D5185m	>9	0		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>9	<1		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm		>50	1		
	Tin		ASTM D5185m		۰ <1		
		ppm		>0			
	Vanadium	ppm	ASTM D5185m	NONE	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
					•		
CONTAMINATION	Silicon	ppm	ASTM D5185m		3		
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Potassium	ppm	ASTM D5185m	>20	<1		
	Water		WC Method	>0.075	NEG		
	Particles >4µm		ASTM D7647	>80000	1692		
	Particles >6µm		ASTM D7647	>20000	45		
	Particles >14µm		ASTM D7647	>640	4		
	Particles >21µm		ASTM D7647	>160	1		
	Particles >38µm		ASTM D7647	>40	0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		18/13/9		
	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		
	Calling			01			
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	<1		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		0		
	Calcium	ppm	ASTM D5185m		2		
	Dhaanharua			007	500		

526

38

223

0.04

45.7

Phosphorus ppm ASTM D5185m 827

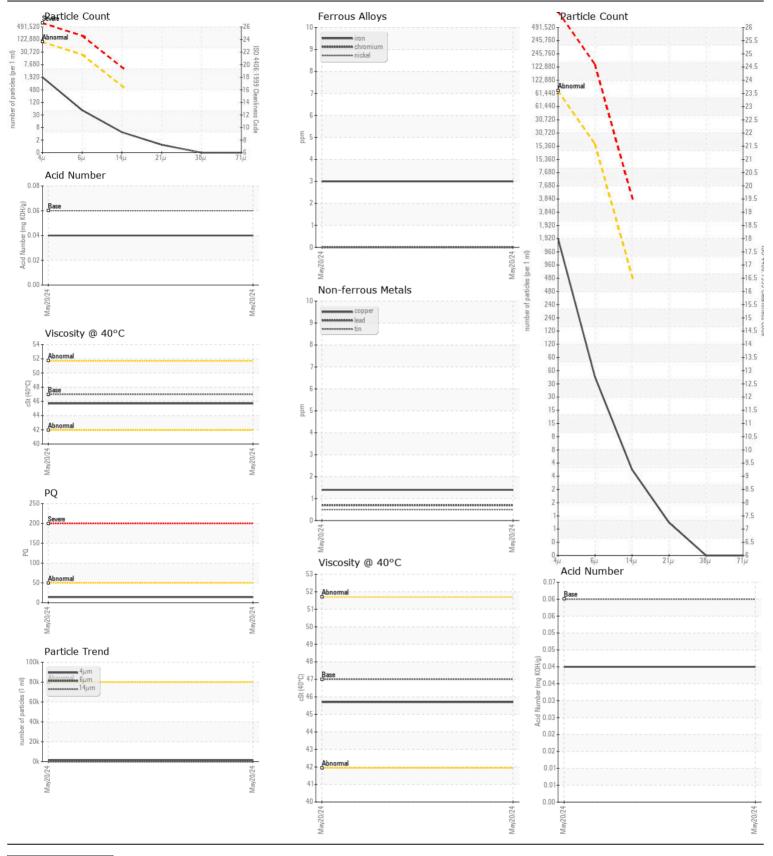
Acid Number (AN) mg KOH/g ASTM D8045 0.06

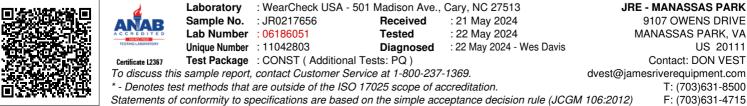
Visc @ 40°C cSt ASTM D445 47

ppm Sulfur ppm ASTM D5185m 13

ASTM D5185m 0

Zinc





Contact/Location: DON VEST - JAMMAN Page 2 of 2