

WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ATTENTION NORMAL

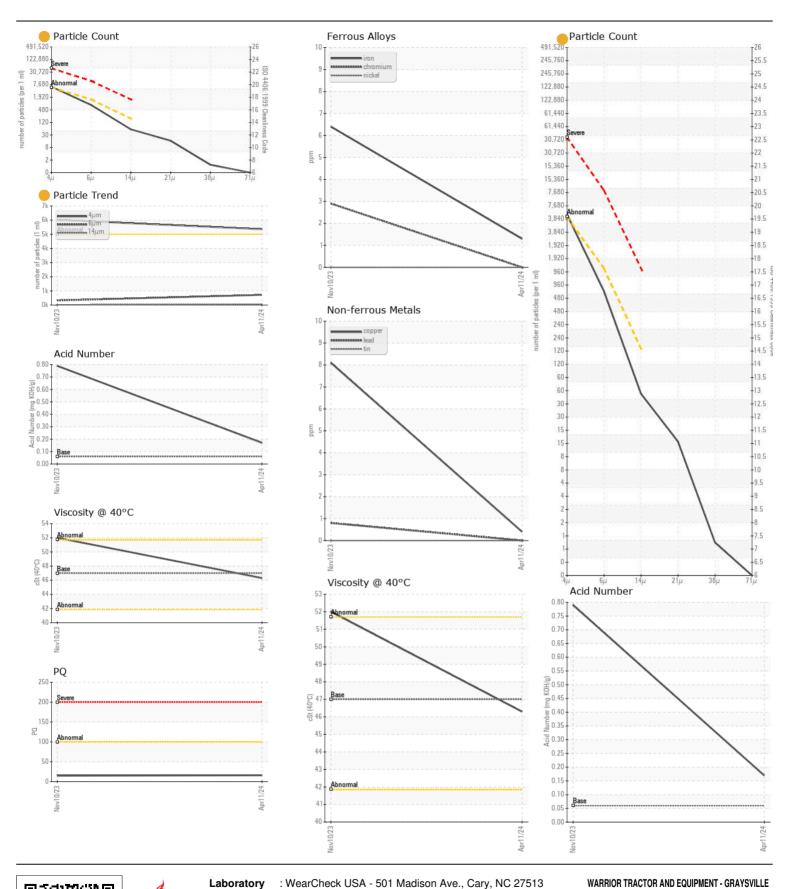
[G14819]

JOHN DEERE 530545

Hydraulic System

HITACHI HYDRAIII IC SIIPER EX 46HN (-

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number	00	Client Info	21111071011	WE0007191	WE0006046	
	Sample Date		Client Info		11 Apr 2024	10 Nov 2023	
	Machine Age	hrs	Client Info		1294	940	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	Changed	
	Sample Status				ATTENTION	ATTENTION	
WEAR	PQ		ASTM D8184		16	15	
	Iron	ppm	ASTM D5185m	>20	1	6	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	3	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m	>10	0	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>10	0	1	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		<1	8	
	Tin	ppm	ASTM D5185m	_	0	0	
	Vanadium	ppm	ASTM D5185m	7.0	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	<1	3	
	Potassium	ppm	ASTM D5185m		7	3	
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water	ррпп	WC Method		, NEG	NEG	
	Particles >4µm		ASTM D7647		5355	6021	
	Particles >6µm		ASTM D7647		715	324	
	Particles >14µm		ASTM D7647		49	15	
	Particles >21µm		ASTM D7647		14	5	
	Particles >38µm		ASTM D7647		1	0	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)		20/17/13	20/16/11	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	LIGHT	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.1	NEG	NEG	
LUD CONDITION	0 "						
LUID CONDITION	Sodium	ppm	ASTM D5185m		2	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0	41	
	Barium	ppm	ASTM D5185m		0	6	
	Molybdenum	ppm	ASTM D5185m		0	12	
	Manganese	ppm	ASTM D5185m		0	0	
	Magnesium	ppm	ASTM D5185m		0	74	
	Calcium	ppm	ASTM D5185m	00=	12	794	
	Phosphorus	ppm	ASTM D5185m		427	752	
	Zinc	ppm	ASTM D5185m		21	861	
	Sulfur	ppm	ASTM D5185m		89	2272	
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.17	0.79	
	Visc @ 40°C	cSt	ASTM D445	47	46.3	52.0	





Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10981973

: WE0007191 : 06151895

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

Diagnosed Test Package : CONST (Additional Tests: PQ)

: 18 Apr 2024 : 19 Apr 2024 - Don Baldridge

: 17 Apr 2024

4308 WATER TRAIL GRAYSVILLE, AL

US 35073 Contact: BEN BYRKET bbyrket@warriortractor.com T: (205)675-9045

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)