

Store 5 - Cross Lanes [ro##146787] JOHN DEERE 210P 1FF210PALPF000760

Component Hydraulic System

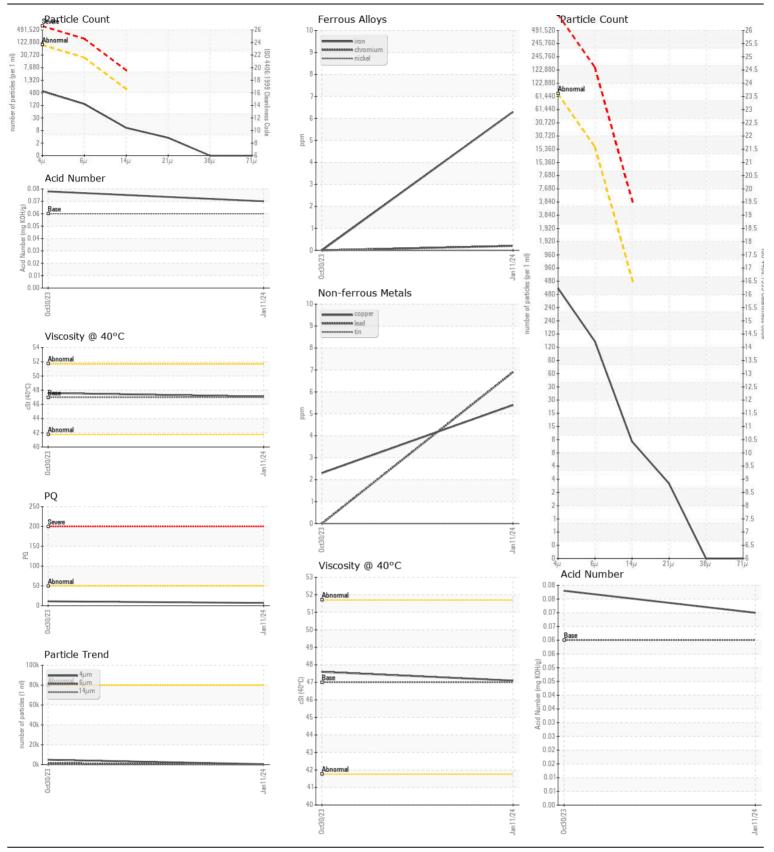
HITACHI HYDRAULIC SUPER EX 46HN (36 GAL)

HIACHI HIDHAULIC SUPEN EX 40HN (30 GA	L)		
RECOMMENDATION Resample at the next service interval to monitor.	Test Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status	UOM hrs hrs hrs	
WEAR	PQ		A
	Iron	ppm	ŀ
All component wear rates are normal.	Chromium	ppm	1
	Nickel	ppm	1
	Titanium	ppm	1
	Silver	ppm	1
	Aluminum	ppm	7
	Lead	ppm	
	Copper	ppm	7
	Tin	ppm	
	Vanadium	ppm	7
	White Metal	scalar	3
	Yellow Metal	scalar	,
CONTAMINATION	Silicon	ppm	
CONTAMINATION	Potassium	ppm	1
The amount and size of particulates present in the system are	Water	PPIII	1
acceptable. There is no indication of any contamination in the oil.	Particles >4µm		
	Particles >6µm		1
	Particles >14µm		
	Particles >21µm		1
	Particles >38µm		
	Particles >71µm		1
	Oil Cleanliness		
	Silt	scalar	
	Debris	scalar	ł

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		LEC0045414	LEC0043221	
Sample Date		Client Info		11 Jan 2024	30 Oct 2023	
Machine Age	hrs	Client Info		303	153	
Oil Age	hrs	Client Info		303	153	
Filter Age	hrs	Client Info		303	153	
Oil Changed		Client Info		Not Changd	Not Changd	
Filter Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	ATTENTION	
PQ		ASTM D8184	>50	7	11	
Iron	ppm	ASTM D5185m	>32	6	0	
Chromium	ppm	ASTM D5185m	>9	ہ <1	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium		ASTM D5185m	>0	0	0	
Silver	ppm			-	0	
Aluminum	ppm	ASTM D5185m ASTM D5185m	>9	0 2	0	
Lead	ppm	ASTM D5185m	>9	2	0	
	ppm		-		2	
Copper	ppm	ASTM D5185m	>50	5	_	
Tin	ppm	ASTM D5185m	>5	0	0	
Vanadium	ppm	ASTM D5185m	NONE	0	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>11	1	<1	
Potassium	ppm	ASTM D5185m	>20	- <1	2	
Water	ppm	WC Method	>0.075	NEG	NEG	
Particles >4µm		ASTM D7647	>80000	497	4908	
Particles >4µm		ASTM D7647 ASTM D7647	>20000	123	1379	
Particles >14µm		ASTM D7647	>640	9	110	
Particles >21µm		ASTM D7647	>160	3	28	
Particles >38µm		ASTM D7647	>40	0	1	
Particles >71µm		ASTM D7647 ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>23/21/16	16/14/10	19/18/14	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	
	Scalai	visual	20.075		NLQ	
Sodium	ppm	ASTM D5185m	>21	0	<1	
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		<1	▲ <1	
Calcium	ppm	ASTM D5185m		15	4	
Phosphorus	ppm	ASTM D5185m	827	609	▲ 513	
Zinc	ppm	ASTM D5185m	0	10	▲ 31	
Sulfur	ppm	ASTM D5185m	13	126	1 14	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.07	0.078	
Visc @ 40°C	cSt	ASTM D445	47	47.1	47.6	



LESLIE EQUIPMENT COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Recieved : 12 Jan 2024 105 TENNIS CENTER DR. : LEC0045414 Lab Number MARIETTA, OH : 06060136 Diagnosed : 16 Jan 2024 : 10831518 Diagnostician : Don Baldridge US 45750-9765 **Unique Number** Test Package : CONST (Additional Tests: PQ) Contact: LEANNE KENDALL Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. KendalLeanne@lec1.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (740)373-5570

Submitted By: STORE 2 - BEAVER - CASEY TONEY