

History2

168

0.08

45.7

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

Visc @ 40°C cSt ASTM D445 47

ppm ASTM D5185m 13

Sulfur



Machine Id JOHN DEERE 245P 1FF245PALNF000047

Hydraulic System

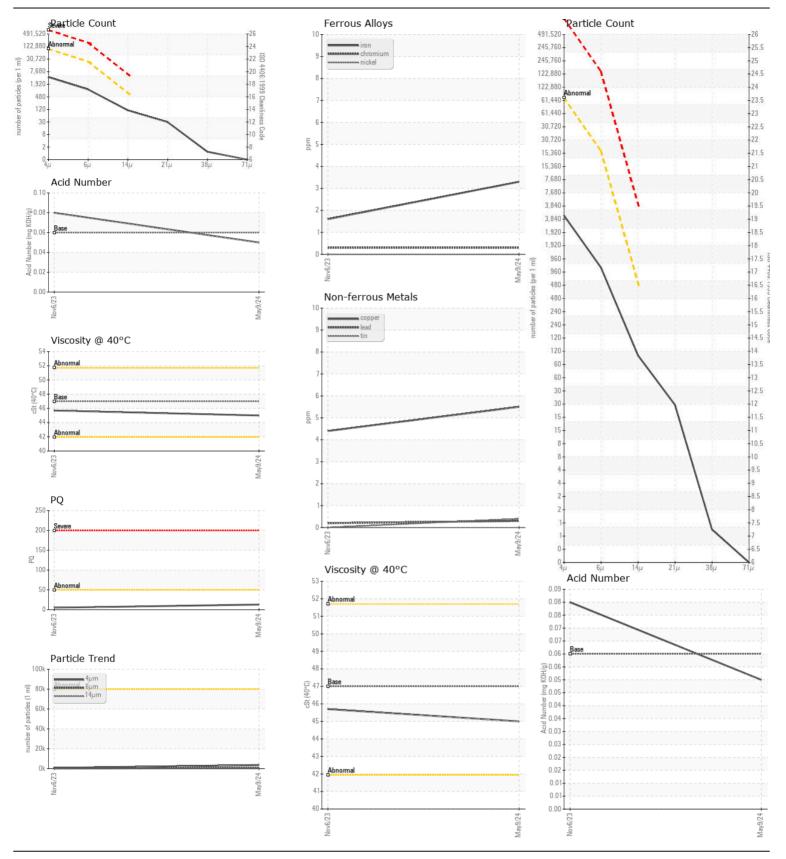
HITACHI HYDRAULIC SUPER EX 46HN (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Deservate et the next convice interval to recriter	Sample Number		Client Info		JR0212338	JR0179795	
Resample at the next service interval to monitor.	Sample Date		Client Info		09 May 2024	06 Nov 2023	
	Machine Age	hrs	Client Info		962	538	
	Oil Age	hrs	Client Info		962	538	
	Filter Age	hrs	Client Info		962	538	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Changed	Not Changd	
	Sample Status				NORMAL	NORMAL	
WEAR	PQ		ASTM D8184	>50	13	5	
All component wear rates are normal.	Iron	ppm	ASTM D5185m		3	2	
	Chromium	ppm	ASTM D5185m		<1	<1	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>9	2	2	
	Lead	ppm	ASTM D5185m	>28	<1	<1	
	Copper	ppm	ASTM D5185m		6	4	
	Tin	ppm	ASTM D5185m	>5	<1	0	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		2	2	
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Potassium	ppm	ASTM D5185m		2	2	
	Water		WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		3691	755	
	Particles >6µm		ASTM D7647		945	155	
	Particles >14µm		ASTM D7647		95	17	
	Particles >21µm		ASTM D7647		26	5	
	Particles >38µm		ASTM D7647		1	0	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness Silt	acalar	ISO 4406 (c) *Visual	>23/21/16	19/17/14 NONE	17/14/11 NONE	
	Debris	scalar 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			>0.075	NEG	NEG	
		Jouran	VIGUUI	20.070		NLG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	0	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0	0	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		<1	0	
	Manganese	ppm	ASTM D5185m		0	0	
	Magnesium	ppm	ASTM D5185m		3	<1	
	Calcium	ppm	ASTM D5185m		13	8	
	Phosphorus	ppm	ASTM D5185m	827	573	537	
	Zinc	ppm	ASTM D5185m	0	59	40	

178

0.05

45.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **JRE - ASHLAND** 回情 Sample No. : JR0212338 11047 LEADBETTER RD Received : 10 May 2024 Lab Number ASHLAND, VA : 06175358 Tested : 15 May 2024 : 15 May 2024 - Don Baldridge US 23005 Unique Number : 11021411 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: DAVID ZIEG Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dzieg@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (804)798-6001 F: (804)798-0292 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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