

History1

30 Nov 2023 468

468 468

JR0192986 ----

Not Changd ----

Not Changd ----

NORMAL

17 2 <1 <1 <1 0 2 <1 2 <1 2 <1

NONE

NONE

23/19/12

NONE

NONE

NORML NEG

<1

45

97

0.17

47.8

34

74

0.18

47.6

NONE

NORML ----

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- - -

History2

Machine Id JOHN DEERE 470 P 1FF470PAJPF000355 Component Hydraulic System Fluid HITACHI HYDRAULIC SUPER EX 46HN (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current
	Sample Number		Client Info		JR0220475
Resample at the next service interval to monitor.	Sample Date		Client Info		15 Jun 2024
	Machine Age	hrs	Client Info		1522
	Oil Age	hrs	Client Info		1522
	Filter Age	hrs	Client Info		0
	Oil Changed		Client Info		Not Changd
	Filter Changed		Client Info		Not Changd
	Sample Status				NORMAL
WEAR	PQ		ASTM D8184		20
	Iron	ppm	ASTM D5185m	>32	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>9	<1
	Nickel	ppm	ASTM D5185m	>5	<1
	Titanium	ppm	ASTM D5185m		<1
	Silver	ppm	ASTM D5185m		<1
	Aluminum	ppm	ASTM D5185m	>9	2
	Lead	ppm	ASTM D5185m	>28	<1
	Copper	ppm	ASTM D5185m	>50	3
	Tin	ppm	ASTM D5185m	>5	<1
	Vanadium	ppm	ASTM D5185m		0
	White Metal	scalar	*Visual	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE
	0'''				•
CONTAMINATION	Silicon	ppm	ASTM D5185m		2
The amount and size of particulates present in the system are	Potassium	ppm	ASTM D5185m		2
acceptable. There is no indication of any contamination in the oil.	Water		WC Method		NEG
·····	Particles >4µm		ASTM D7647	-	2925
	Particles >6µm		ASTM D7647		727
	Particles >14µm		ASTM D7647		99
	Particles >21µm		ASTM D7647		32
	Particles >38µm		ASTM D7647		1 0
	Particles >71µm Oil Cleanliness		ASTM D7647		-
	Silt	aaalar	ISO 4406 (c) *Visual		19/17/14 NONE
	Debris	scalar	*Visual	NONE NONE	
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE NONE
	Appearance	scalar	*Visual	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML
	Emulsified Water		*Visual	>0.075	NEG
		Scalai	visuai	20.075	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	0
The AN level is acceptable for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		0
	Barium	ppm	ASTM D5185m		<1
	Molybdenum	ppm	ASTM D5185m		<1
	Manganese	ppm	ASTM D5185m		<1
	Magnesium	ppm	ASTM D5185m		<1
	Calcium	ppm	ASTM D5185m		0
	Phosphorus	ppm	ASTM D5185m	827	485
	Zino		ACTM DE10Em	0	04

Zinc

Sulfur

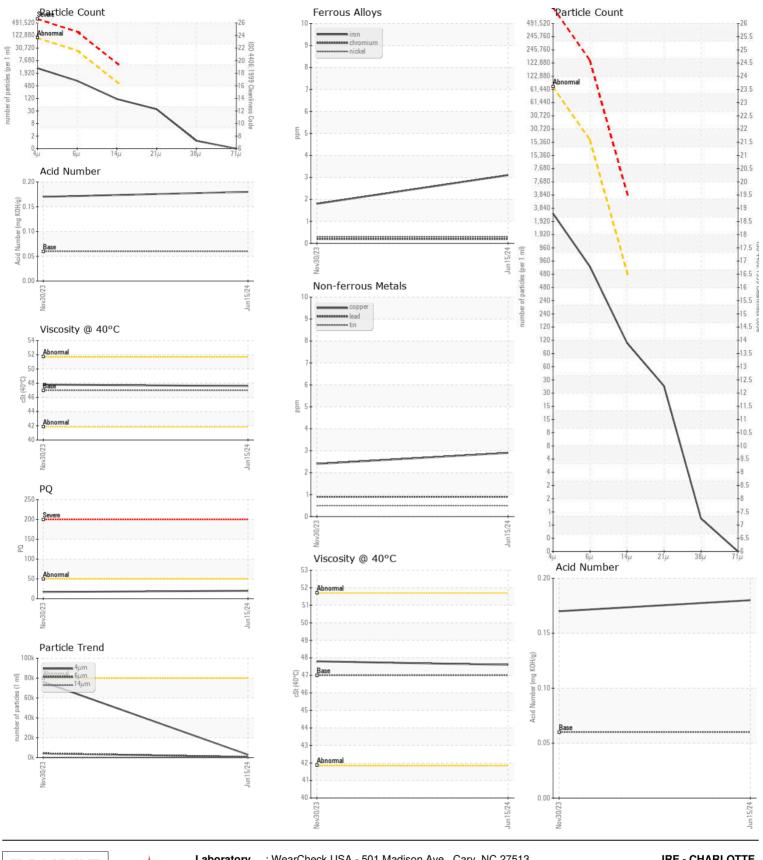
ASTM D5185m 0

ppm ASTM D5185m 13

ppm

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

Visc @ 40°C cSt ASTM D445 47



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **JRE - CHARLOTTE** Sample No. : JR0220475 9550 STATESVILLE ROAD Received : 18 Jun 2024 Lab Number : 06213355 CHARLOTTE, NC Tested : 19 Jun 2024 : 20 Jun 2024 - Don Baldridge Unique Number : 11086219 Diagnosed US 28269 Test Package : CONST (Additional Tests: PQ) Contact: CHARLOTTE SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. myoung@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (704)597-0211 F: (704)596-6198 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)