WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

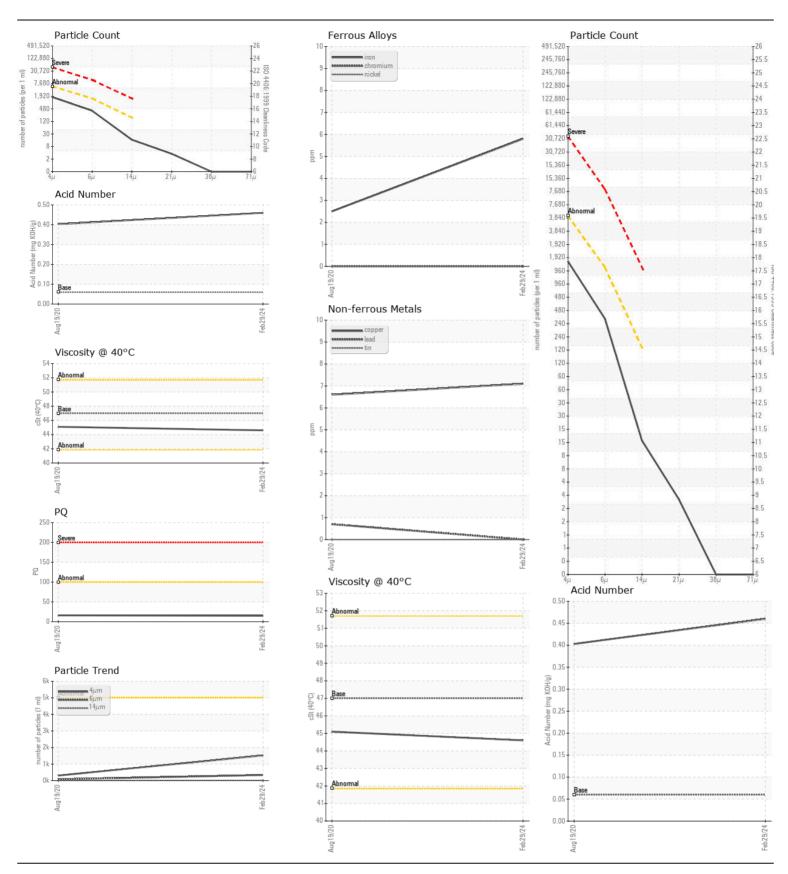
Machine Id

HAMM H2350501

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0200440	JR0049338	
	Sample Date		Client Info		29 Feb 2024	19 Aug 2020	
	Machine Age	hrs	Client Info		1085	470	
	Oil Age	hrs	Client Info		0	470	
	Filter Age	hrs	Client Info		0	470	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
VEAR	PQ		ASTM D8184		15	16	
VEAIL	Iron	ppm	ASTM D5185m	>20	6	2	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m	>10	0	0	
	Silver	ppm	ASTM D5185m		0	<1	
	Aluminum	ppm	ASTM D5185m	>10	<1	0	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		7	7	
	Tin	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m	>10	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTABBINATION	Ciliana		ACTM DE10E		• • • • • • • • • • • • • • • • • • • •		
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		3 0	0 <1	
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water	ррпп	WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		1521	308	
	Particles >6µm		ASTM D7647		339	86	
	Particles >14µm		ASTM D7647		14	10	
	Particles >21µm		ASTM D7647		3	3	
	Particles >38µm		ASTM D7647		0	0	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)		18/16/11	15/14/10	
	Silt	000101	*Visual		NONE		
	Debris	scalar	*Visual	NONE	NONE	NONE NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
		scalar	*Visual	NORML	NORML	NORML	
	Appearance	scalar		NORML	NORML	NORML	
	Odor Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
<u></u>	Linuisilled water	Scalai	Visuai	>0.1	NEG	INLG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		1	0	
	Boron	ppm	ASTM D5185m		<1	2	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	<1	
	Molybdenum	ppm	ASTM D5185m		0	0	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		2	<1	
	Calcium	ppm	ASTM D5185m		60	31	
	Phosphorus	ppm	ASTM D5185m	827	251	267	
	Zinc	ppm	ASTM D5185m		310	376	
	Sulfur	ppm	ASTM D5185m	13	883	842	
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.46	0.403	
	Visc @ 40°C	cSt	ASTM D445	17	44.6	45.1	

Contact/Location: DAVID ZIEG - JAMASH





Laboratory Sample No. Unique Number: 10909436

Lab Number : 06105939

: JR0200440

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

Diagnosed

: 04 Mar 2024 : 05 Mar 2024 - Don Baldridge

: 01 Mar 2024

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005

Contact: DAVID ZIEG dzieg@jamesriverequipment.com T: (804)798-6001

Test Package : CONST (Additional Tests: PQ) Certificate L2367 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)

F: (804)798-0292