**WEAR** CONTAMINATION **FLUID CONDITION** 

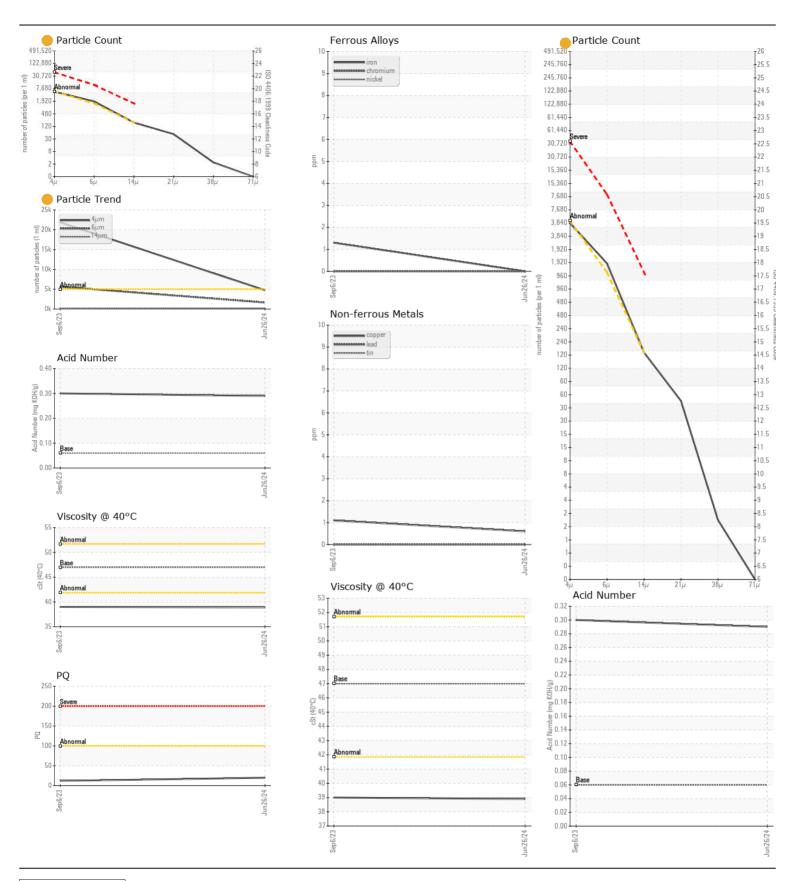
**NORMAL ATTENTION NORMAL** 

[W68072]

10WR.1353

**Hydraulic System** 

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0178433	JR0178124	
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W68072 )	Sample Date		Client Info		26 Jun 2024	06 Sep 2023	
	Machine Age	hrs	Client Info		3275	2386	
	Oil Age	hrs	Client Info		889	2386	
	Filter Age	hrs	Client Info		0	2386	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				ATTENTION	ABNORMAL	
VEAR	PQ		ASTM D8184		20	12	
TEAR	Iron	ppm	ASTM D5185m	>20	0	1	
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	0	
	Aluminum	ppm	ASTM D5185m	>10	0	<1	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		<1	1	
	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	
ONTAMINATION	Cilioon	nnm	ASTM D5185m	- 20	4	1	
CONTAMINATION	Silicon	ppm			1	·	
There is a moderate amount of particulates present in the oil.	Potassium	ppm	ASTM D5185m		0	<1	
	Water		WC Method		NEG	NEG	
	Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647		4729	△ 21863 △ 5622	
	Particles >6µm		ASTM D7647		1646	116	
	•				160		
	Particles >21µm		ASTM D7647		45	16 0	
	Particles >38µm		ASTM D7647		2 0	-	
	Particles >71µm		ASTM D7647			0	
	Oil Cleanliness		ISO 4406 (c)		19/18/14	<u>22/20/14</u>	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NORML	
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML	NORML	
<u></u>	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1	1	
The AN level is accordable for this fluid. The condition of the cities	Boron	ppm	ASTM D5185m		0	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	0	
	Manganese	ppm	ASTM D5185m		0	0	
	Magnesium	ppm	ASTM D5185m		14	18	
	Calcium	ppm	ASTM D5185m		16	13	
	Phosphorus	ppm	ASTM D5185m		207	223	
	Zinc	ppm	ASTM D5185m		254	268	
	Sulfur	ppm	ASTM D5185m	13	1339	1321	
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.29	0.30	
	Visc @ 40°C	cSt	ASTM D445	47	38.9	39.0	





Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 11100449

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0178433 : 06222252

Received **Tested** Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 27 Jun 2024 : 28 Jun 2024

: 28 Jun 2024 - Don Baldridge

JRE - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC

US 28269 Contact: CHARLOTTE SHOP

myoung@jamesriverequipment.com

T: (704)597-0211 F: (704)596-6198

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)