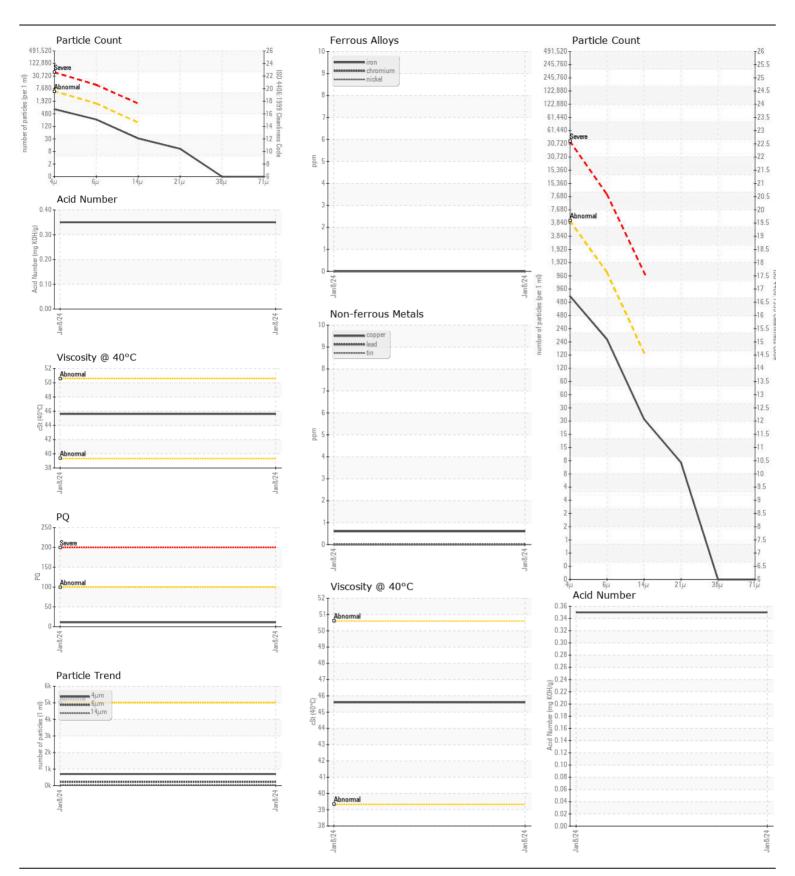
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

## HAMM HC 130I H2540129

Component Hydraulic System

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0195327		
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		08 Jan 2024		
	Machine Age	hrs	Client Info		97		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
/EAR	PQ		ASTM D8184		11		
ZAN	Iron	nnm	ASTM D5185m	<b>&gt;20</b>	0		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	>10	0		
		ppm					
	Silver	ppm	ASTM D5185m	>10	0		
	Aluminum	ppm	ASTM D5185m		0		
	Lead	ppm	ASTM D5185m				
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium White Metal	ppm	ASTM D5185m	NONE	0 NONE		
	Yellow Metal	scalar scalar	*Visual	NONE	NONE NONE		
				INOINE			
CONTAMINATION	Silicon	ppm	ASTM D5185m		6		
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Potassium	ppm	ASTM D5185m		<1		
	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		699		
	Particles >6µm		ASTM D7647		226		
	Particles >14μm		ASTM D7647		28		
	Particles >21μm		ASTM D7647		9		
	Particles >38μm		ASTM D7647	>10	0		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		63		
	Calcium	ppm	ASTM D5185m		10		
	Phosphorus	ppm	ASTM D5185m		277		
	Zinc	ppm	ASTM D5185m		347		
	Sulfur		ASTM D5185m		897		
	Acid Number (AN)	ppm mg KOH/g	ASTM D3163111		0.35		





Certificate L2367

Laboratory Sample No. **Unique Number** 

Lab Number

: JR0195327 : 06056577 : 10822526

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 10 Jan 2024 Recieved Diagnosed

: 11 Jan 2024 Diagnostician : Wes Davis

Test Package : CONST ( Additional Tests: PQ )

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)

JRE - STEPHENSON 245 YARDMASTER COURT STEPHENSON, VA

US 22656-1761 Contact: PHIL DAUGHERTY

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F: (540)693-2588

Contact/Location: PHIL DAUGHERTY - JAMWIN