WEAR CONTAMINATION FLUID CONDITION

NORMAL ATTENTION NORMAL

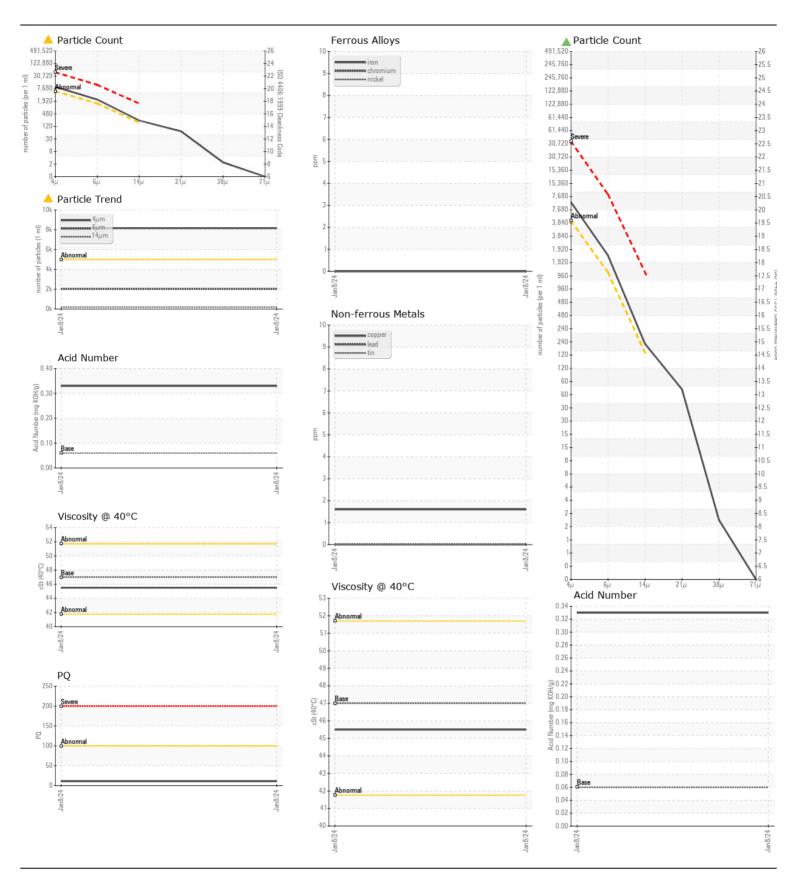
[W62992]

KLEEMANN MR110Zi EVO2 K0190166

Rear Hydraulic System

HITACHI	I HYDRAU	LIC SUPER EX	(46HN (50 GAL)

HITACHI HYDRAULIC SUPER EX 46HN (50 GA	- /				.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0198978		
No corrective action is recommended at this time. The filter change at	Sample Date		Client Info		08 Jan 2024		
the time of sampling has been noted. Resample at the next service	Machine Age	hrs	Client Info		990		
interval to monitor. (Customer Sample Comment: W62992)	Oil Age	hrs	Client Info		990		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
WEAR	PQ		ASTM D8184		11		
· · · · · · · · · · · · · · · · · · ·	Iron	ppm	ASTM D5185m	>20	0		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		0		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium White Metal	ppm	*Visual	NONE	0 NONE		
	Yellow Metal	scalar scalar	*Visual	NONE	NONE		
<u></u>			v isuai				
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	3		
	Potassium	ppm	ASTM D5185m	>20	<1		
There is a moderate amount of particulates present in the oil.	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647		8156		
	Particles >6µm		ASTM D7647		2026		
	Particles >14μm		ASTM D7647		201		
	Particles >21µm		ASTM D7647		▲ 61		
	Particles >38µm		ASTM D7647		2		
	Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)		0 a 20/18/15		
	Silt	scalar	*Visual	>19/11/14 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		
ELLUD CONDITION	015		AOTM DEADE		•		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is	Boron Barium	ppm	ASTM D5185m ASTM D5185m		0		
suitable for further service.	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		0		
	Calcium	ppm	ASTM D5185m		36		
	Phosphorus	ppm	ASTM D5185m	827	265		
	Zinc	ppm	ASTM D5185m		336		
	Sulfur	ppm	ASTM D5185m		806		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.33		
	Visc @ 40°C	cSt	ASTM D445	47	45.5		





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0198978 : 06056591

: 10 Jan 2024 Recieved Diagnosed : 10822540

: 11 Jan 2024 Diagnostician : Don Baldridge 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 - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC

US 28269 Contact: CHARLOTTE SHOP

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