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

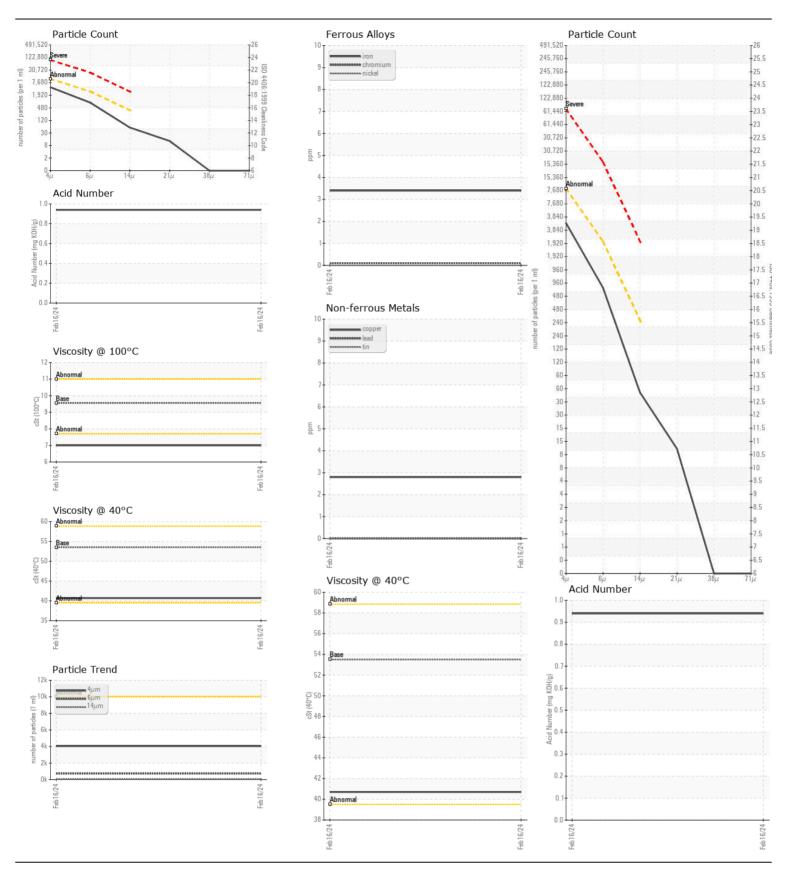
## **GK MACHINE 9434**

**OIL ANALYSIS REPORT** 

Component **Hydrostatic** 

TRC UNIVERSAL TORQUE FLUID (50 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info	3	TR06100894		
	Sample Date		Client Info		16 Feb 2024		
	Machine Age	hrs	Client Info		2531		
	Oil Age	hrs	Client Info		1000		
	Filter Age	hrs	Client Info		500		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m		3		
All component wear rates are normal	Chromium	ppm	ASTM D5185m	>10	<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m	F.0	0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m ASTM D5185m		0		
	Copper Tin	ppm	ASTM D5185m ASTM D5185m		3 0		
	Vanadium	ppm	ASTM D5185m	>10	0		
	White Metal	ppm scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		15		
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		4042		
	Particles >6µm Particles >14µm		ASTM D7647 ASTM D7647		743 48		
	Particles >14µm		ASTM D7647		11		
	Particles >38µm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		19/17/13		
	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		0		
	Boron	ppm	ASTM D5185m		127		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		8		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		9		
	Calcium	ppm	ASTM D5185m		3421		
	Phosphorus	ppm	ASTM D5185m		1105		
	Zinc	ppm	ASTM D5185m	2000	1412		
	Sulfur	ppm	ASTM D5185m		5607		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.94		
	\/: C 400C	-01	A OTA DA 45	FO F			
	Visc @ 40°C Visc @ 100°C	cSt cSt	ASTM D445 ASTM D445		40.7 7		





Laboratory Sample No. Unique Number : 10899124

Lab Number : 06100894

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR06100894

Received **Tested** 

: 27 Feb 2024 : 28 Feb 2024 - Doug Bogart Diagnosed

: 26 Feb 2024

**TRECO** 10906 MONITOR MCKEE RD NE WOODBURN, OR US 97071 Contact: JEFF WARREN

Test Package : MOB 2 ( Additional Tests: KV100, PrtCount, VI ) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

F:

T: