

WEAR
CONTAMINATION
FLUID CONDITION

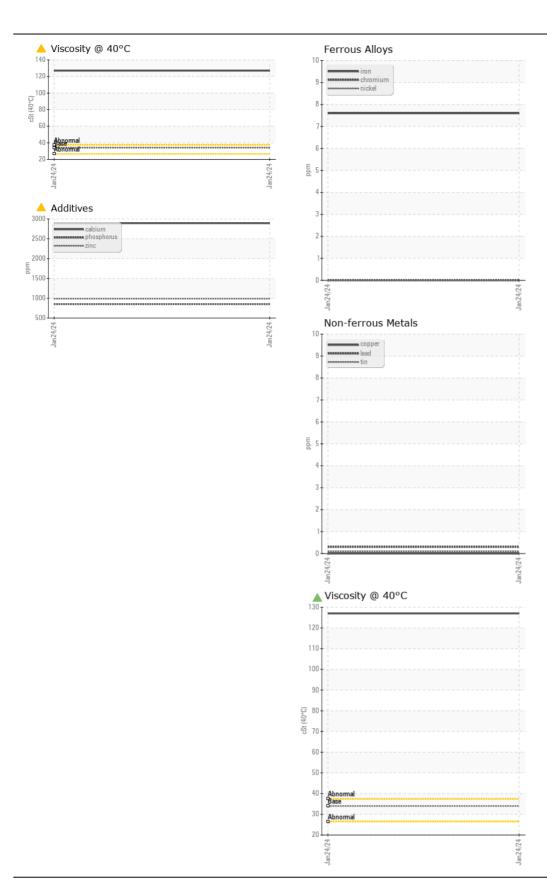
NORMAL NORMAL ATTENTION



CATERPILLAR 938K 938K-1 (S/N SWL00533)

Component
Transmission (Manual)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TLY0002238		
	Sample Date		Client Info		24 Jan 2024		
	Machine Age	hrs	Client Info		11925		
	Oil Age	hrs	Client Info		11424		
	Filter Age	hrs	Client Info		11424		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ATTENTION		
VEAR	Iron	ppm	ASTM D5185m	>200	8		
	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	75	0		
	Silver	ppm	ASTM D5185m	>7	<1		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m	>225	0		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	0		40714 05405				
CONTAMINATION There is no indication of any contamination in the fluid.	Silicon	ppm		>125	6		
	Potassium	ppm	ASTM D5185m		0		
	Water	acalar	WC Method	>0.1	NEG		
	Silt Debris	scalar	*Visual	NONE	NONE NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2		
The fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.	Boron	ppm	ASTM D5185m		33		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		16		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		205		
	Calcium	ppm	ASTM D5185m		▲ 2892		
	Phosphorus	ppm	ASTM D5185m		▲ 852		
	Zinc Sulfur	ppm	ASTM D5185m		▲ 988		
	SUITH	ppm	ASTM D5185m		4989		







Certificate L2367

Laboratory Sample No. Lab Number

: 06074249 Unique Number : 10856340 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TLY0002238 Recieved : 30 Jan 2024 Diagnosed : 31 Jan 2024 Diagnostician : Don Baldridge

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) **GAINES & COMPANY**

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