OIL ANALYSIS REPORT

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

CATERPILLAR GEN 1 (S/N FSE01968)

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06086730		
	Sample Date		Client Info		02 Feb 2024		
	Machine Age	hrs	Client Info		10136		
	Oil Age	hrs	Client Info		300		
	Filter Age	hrs	Client Info		300		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	\100	25		
VLAN	Chromium		ASTM D5185m		<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm					
	Silver	ppm	ASTM D5185m		4		
		ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m	>4	2		
	Vanadium	ppm	ASTM D5185m	NONE	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	5		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0		
	Fuel		WC Method	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.7		
	Nitration	Abs/cm	*ASTM D7624	>20	8.6		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7		
	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	>0.2	NEG		
I LUD CONDITION	Sodium	nnm	ACTM DE195m		1		
LUID CONDITION	Sodium Boron	ppm	ASTM D5185m		73		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		77		
	Manganese	ppm	ASTM D5185m		<1 <1		_
	_	ppm	ASTM D5185m		312		
	Magnesium	ppm					
	Calcium	ppm	ASTM D5185m		2796		
	Phosphorus	ppm	ASTM D5185m		812		
	Zinc	ppm	ASTM D5185m		1004		
	Sulfur	ppm Abs/dame	ASTM D5185m	05	3296		
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414	>25	13.7 11.83		
		ma ki lilia	45 11/11/12/806		11 83		







Certificate L2367

Laboratory Sample No.

Lab Number : 06086730 Unique Number : 10874175 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TR06086730 : 12 Feb 2024 : 13 Feb 2024 **Tested**

: 14 Feb 2024 - Don Baldridge Diagnosed

RUNDELL INC 2465 STATE HWY 38

DRAIN, OR US 97435

Contact: JEFF WARREN

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

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