OIL ANALYSIS REPORT

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

Machine Id

CATERPILLAR 972M 6 A8O00389

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR05551882		
	Sample Date		Client Info		11 May 2022		
	Machine Age	hrs	Client Info		8107		
	Oil Age	hrs	Client Info		438		
	Filter Age	hrs	Client Info		438		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
/EAR	Iron	ppm	ASTM D5185m	>100	18		
TEAT	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m		4		
	Lead	ppm	ASTM D5185m		5		
	Copper	ppm	ASTM D5185m		12		
	Tin	ppm	ASTM D5185m		1		
	Vanadium	ppm	ASTM D5185m	710	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m		6		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		1		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		1		
	Nitration	Abs/cm	*ASTM D7624	>20	11.1		
	Sulfation	Abs/.1mm	*ASTM D7415		23.6		
	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		
LUID CONDITION	Sodium	ppm	ASTM D5185m		1		
	Boron	ppm	ASTM D5185m		7		
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		113		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		26		
	Calcium	ppm	ASTM D5185m		4305		
	Phosphorus	ppm	ASTM D5185m		942		
	Zinc	ppm	ASTM D5185m		1108		
	Sulfur	ppm	ASTM D5185m		4027		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.1		
	Base Number (BN)		ASTM D2896	/20	11.2		
	Dasc Nulliber (DIV)	my Kony	AOTIVI DZ030		11.2		





Certificate L2367

Report Id: BARSPRWA [WUSCAR] 05551882 (Generated: 06/21/2024 11:54:02) Rev: 1

Laboratory Sample No.

Lab Number : 05551882 Unique Number : 9986249

: TR05551882 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 May 2022 Tested : 25 May 2022

Diagnosed : 25 May 2022 - Wes Davis

BARR-TECH COMPOSTING 9117 KALLENBERGER RD N

SPRAGUE, WA US 99032

Contact: RON GROGAN

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) T: (509)590-0437 F: