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

**OIL ANALYSIS REPORT** 

## **CATERPILLAR 262D 2014 CATERPILLAR 262D**

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06088361		
	Sample Date		Client Info		05 Dec 2023		
	Machine Age	hrs	Client Info		2035		
	Oil Age	hrs	Client Info		200		
	Filter Age	hrs	Client Info		200		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	nnm	ASTM D5185m	> 100	4		
VEAN		ppm	ASTM D5185m		4 0		
All component wear rates are normal.	Chromium Nickel	ppm					
		ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		3		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		0		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m	NONE	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1		
	Fuel		WC Method	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	9.5		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9		
	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		
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG		
LUD CONDITION							
LUID CONDITION	Sodium	ppm	ASTM D5185m		2		
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		7		
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		81		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		31		
	Calcium	ppm	ASTM D5185m		3461		
	Phosphorus	ppm	ASTM D5185m		896		
	Zinc	ppm	ASTM D5185m		1035		
	Sulfur	ppm	ASTM D5185m		4123		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	11.3		
	Base Number (BN)				23.37		







Certificate L2367

Laboratory Sample No.

Lab Number : 06088361

: TR06088361 Unique Number: 10875806 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Feb 2024 : 14 Feb 2024 **Tested** 

: 14 Feb 2024 - Wes Davis Diagnosed

PRECISION LAWN MAINTENANCE

35718 TIMBER LANE RD

RONAN, MT US 59864

Contact: JARED SCHMIDT

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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F: