

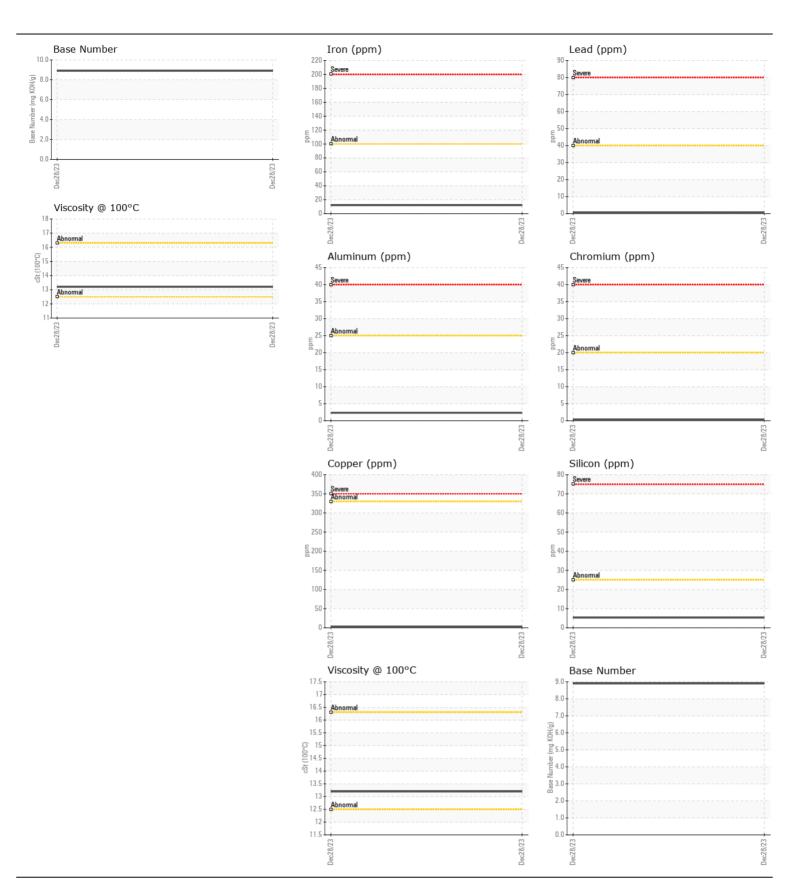
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL



CATERPILLAR 330DL EX6124 (S/N 0MWP01222)

Diesel Engine DURALENE Dura-Max Xtreme	15W40 (G	AL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Possible fuel dilution)	Sample Number		Client Info		DC0031149		
	Sample Date		Client Info		28 Dec 2023		
	Machine Age	hrs	Client Info		20946		
	Oil Age	hrs	Client Info		290		
	Filter Age	hrs	Client Info		290		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>100	12		
All component wear rates are permel	Chromium	ppm	ASTM D5185m	>20	<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	0		
	Titanium	ppm	ASTM D5185m	>2	0		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m	>40	<1		
	Copper	ppm	ASTM D5185m	>330	3		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5		
CONTAININATION	Potassium		ASTM D5185m		0		
There is no indication of any contamination in the oil.	Fuel	ppm %	ASTM D3163111		<1.0		
	Water	/0	WC Method		NEG		
	Glycol		WC Method	<i>></i> 0.2	NEG		
	Soot %	%	*ASTM D7844	. 2	0.5		
	Nitration	Abs/cm	*ASTM D7624	>20	9.1		
	Sulfation	Abs/.1mm	*ASTM D7024		24.2		
	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			>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		3		
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		45		
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		54		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		554		
	Calcium	ppm	ASTM D5185m		1765		
	Phosphorus	ppm	ASTM D5185m		975		
	Zinc	ppm	ASTM D5185m		1168		
	Sulfur	ppm	ASTM D5185m		3182		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	21.8		
	Base Number (BN)	ma KOH/a	ASTM D2896		8.90		
	Visc @ 100°C	cSt	ASTM D445		13.2		







Laboratory Sample No. Lab Number

Unique Number

: 06049105 : 10809713

: DC0031149

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

: 02 Jan 2024 : 05 Jan 2024 Diagnostician : Angela Borella

Test Package : MOB 2 (Additional Tests: FUELDILUTION, PercentFuel) 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) **COMER CONSTRUCTION**

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