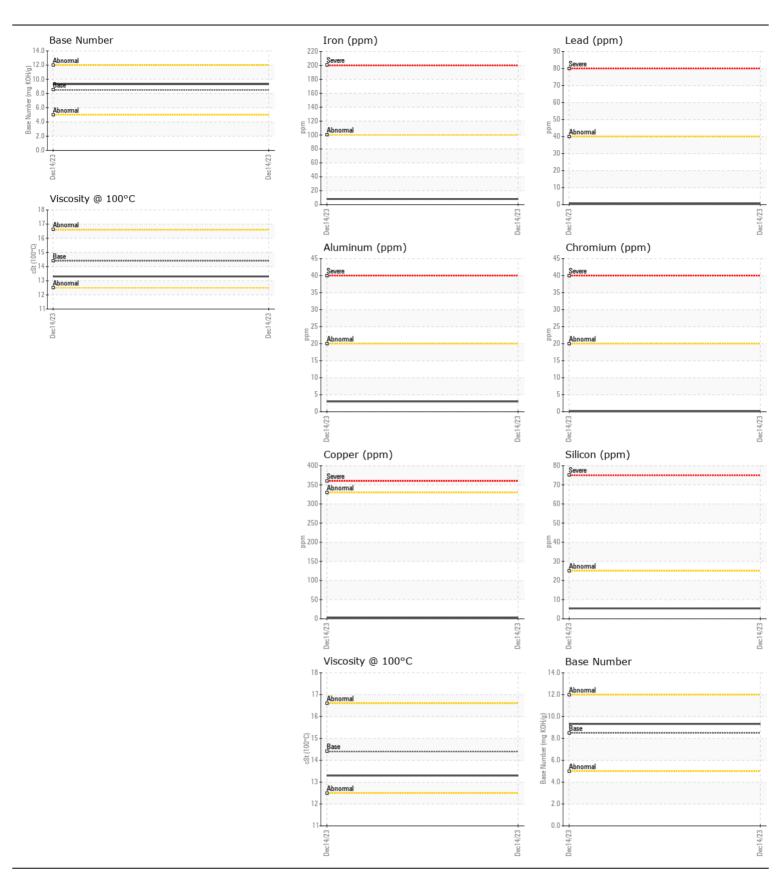
**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

**OIL ANALYSIS REPORT** 

## **KUBOTA SV90 KUBOTA SV90**

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06055544		
	Sample Date		Client Info		14 Dec 2023		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>100	8		
VEAIT	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	77	<1		
	Silver	ppm	ASTM D5185m	~3	0		
	Aluminum	ppm	ASTM D5185m		3		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		5		
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		0.4		
	Nitration	Abs/cm	*ASTM D7624	>20	8.2		
	Sulfation	Abs/.1mm	*ASTM D7415		18.4		
	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	>158	2		
	Boron	ppm	ASTM D5185m	250	125		
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	100	75		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	450	223		
	Calcium	ppm	ASTM D5185m	3000	1806		
	Phosphorus	ppm	ASTM D5185m	1150	1049		
	Zinc	ppm	ASTM D5185m	1350	1251		
	Sulfur	ppm	ASTM D5185m	4250	3748		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0		
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.32		
	Visc @ 100°C	cSt	ASTM D445	4.4.4	13.3		







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 2

: TR06055544 : 06055544 : 10821493

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 09 Jan 2024 : 10 Jan 2024 Diagnosed Diagnostician

: Wes Davis

**WIE - WESTERN INDUSTRIAL EQUIPMENT** 

10761 N WILSON RD LAKE CITY, MI US 49651

Contact: JOHN HIGGINS

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:

F: