

Machine Id KUBOTA SVL97-2 MTL-11 Component **Diesel Engine** DIESEL ENGINE OIL SAE 40 (4 GAL)

DIESEL ENGINE OIL SAE 40 (4 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC)	Sample Number		Client Info		CL0005367	CL0004706	CL0004256
	Sample Date		Client Info		18 Apr 2024	12 Sep 2023	07 May 2023
	Machine Age	hrs	Client Info		1212	965	695
DIESEL ENGINE OIL SAE 40. Please confirm.	Oil Age	hrs	Client Info		247	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m		19	8	14
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m	>4	0	<1	<1
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		11	2	2
	Lead	ppm	ASTM D5185m		<1	<1	0
	Copper	ppm	ASTM D5185m		1	2	27
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m	NONE	0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	15	5	5
	Potassium	ppm	ASTM D5185m	>20	<1	2	3
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.2	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	9.5	8.7	10.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	17.8	18.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	2	4	2
T LOID CONDITION	Boron	ppm	ASTM D5185m		54	58	48
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	1	2
	Molybdenum	ppm	ASTM D5185m		91	90	93
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	35	24	20
	Calcium	ppm	ASTM D5185m		2372	2328	2224
	Phosphorus	ppm	ASTM D5185m		1011	1072	1001
	Zinc	ppm	ASTM D5185m		1322	1279	1239
	0.11			10 = 0		4500	1050

Base Number (BN) mg KOH/g ASTM D2896 8.5

ppm ASTM D5185m 4250

ASTM D445 14.4

Abs/.1mm *ASTM D7414 >25

Sulfur

Oxidation

Visc @ 100°C cSt

4589

13.4

7.2

13.9

4058

14.5

7.4

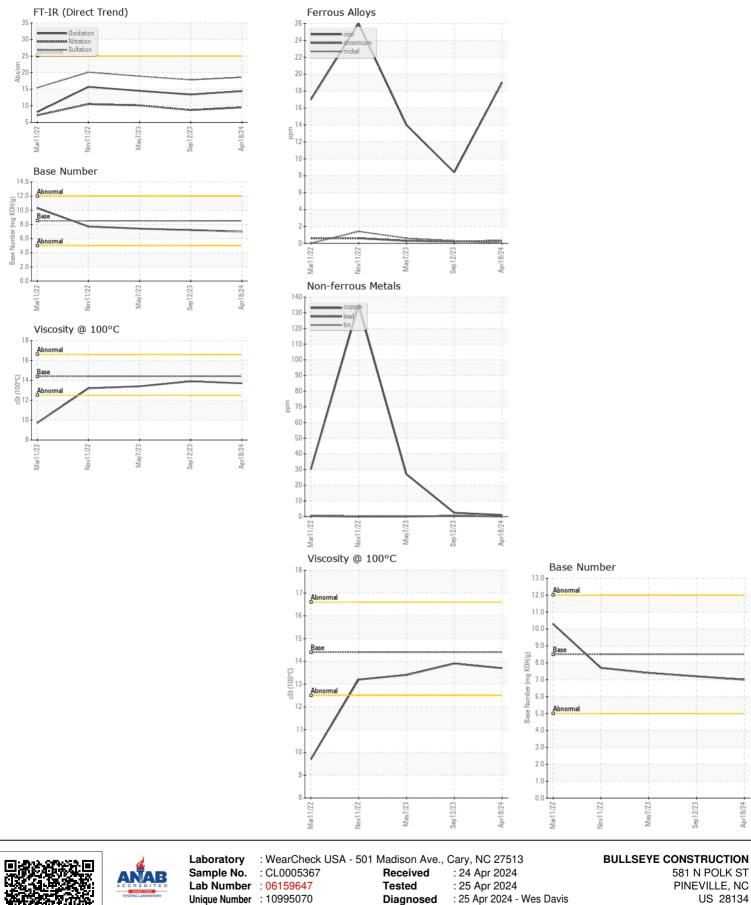
13.4

4736

14.4

7.0

13.7



Certificate 12367 Test Package : CONST (Additional Tests: TBN)

- 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)

Submitted By: JEFF CHALMERS Page 2 of 2

Contact: SERVICE MANAGER

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F: