

# **OIL ANALYSIS REPORT**

Sample Number

hrs

hrs

Sample Date

Machine Age

Oil Changed

Sample Status

Oil Age

Sample Rating Trend



Machine Id T3Y00201 Component **Diesel Engine** NOT GIVEN (--- QTS)

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAIVIINATION	method			riistory i	riistoryz
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	5	4
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	2	2	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		55	59	58
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		39	41	38
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		537	517	477
Calcium	ppm	ASTM D5185m		1624	1645	1559
Phosphorus	ppm	ASTM D5185m		967	932	871
Zinc	ppm	ASTM D5185m		1146	1133	1068
Sulfur	ppm	ASTM D5185m		2969	2946	2776

CONTAMINANT	ſS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	4
Sodium	ppm	ASTM D5185m		1	2	2
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.2	0.036	0.051	0.056
ppm Water	ppm	ASTM D6304	>2000	365.2	510.0	567.9
INFRA-RED		method				history2

		methoa			riistory i	nistoryz
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.8	5.6	5.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	21.2	21.3
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

19.2

9.6

Oxidation	Abs/.1mm	*ASTM D7414	>25
Base Number (BN)	mg KOH/g	ASTM D2896	

9.7 Contact/Location: TREVOR KIRSTE - CARSALVA

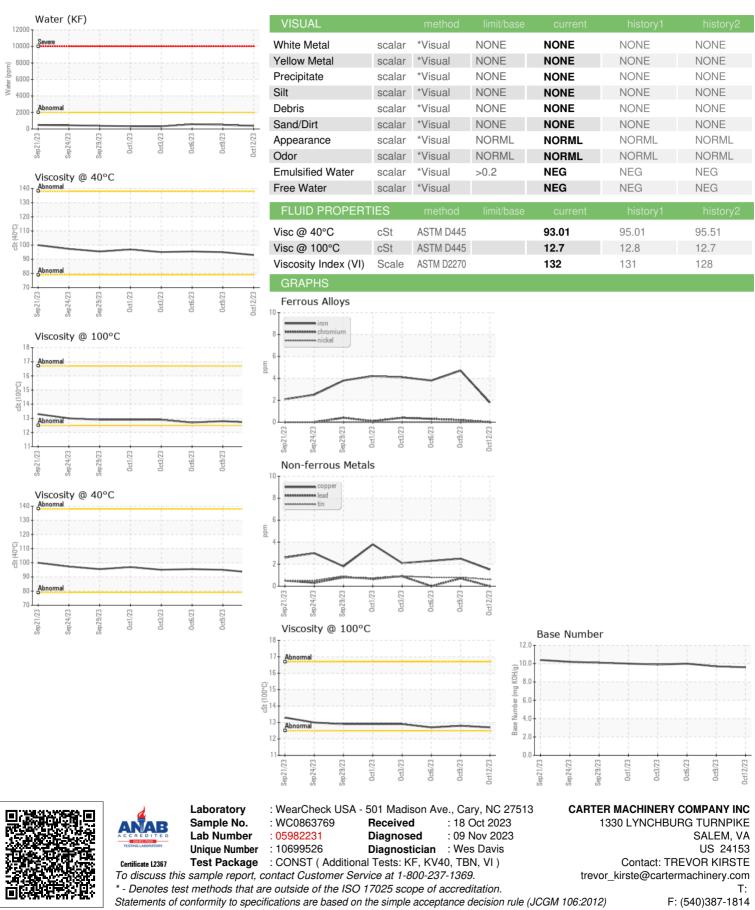
19.1

19.1

10.0



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