

OIL ANALYSIS REPORT

Sample Rating Trend





Component Diesel Engine

CAT DIESEL ENGINE OIL 15W40 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

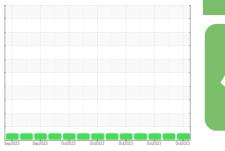
Metal levels are typical for a new component breaking in.

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.





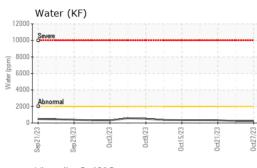
Sample Number Client Info WC0863761 WC0863765 WC0863762 Sample Date Client Info 27 Oct 2023 24 Oct 2023 21 Oct 2023 Machine Age hrs Client Info 710 660 610 Oll Age hrs Client Info Not Changd Not Changd Not Changd Sample Status Client Info Not Changd Not Changd Not Changd Not Changd CONTAMINATION method imit/base current history1 history2 Fuel WC Method >5 <1.0	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
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Oxidation Abs/.1mm *ASTM D7414 >25 20.4 21.0 20.8	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	22.7	22.5
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 11.3 9.4 10.1 9.9	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.4	21.0	20.8
	Base Number (BN)	mg KOH/g	ASTM D2896	11.3	9.4	10.1	9.9

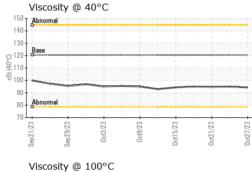
Contact/Location: TREVOR KIRSTE - CARSALVA

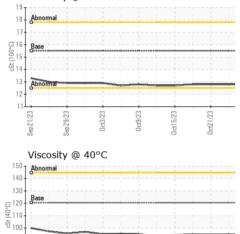


OIL ANALYSIS REPORT

GRAPHS







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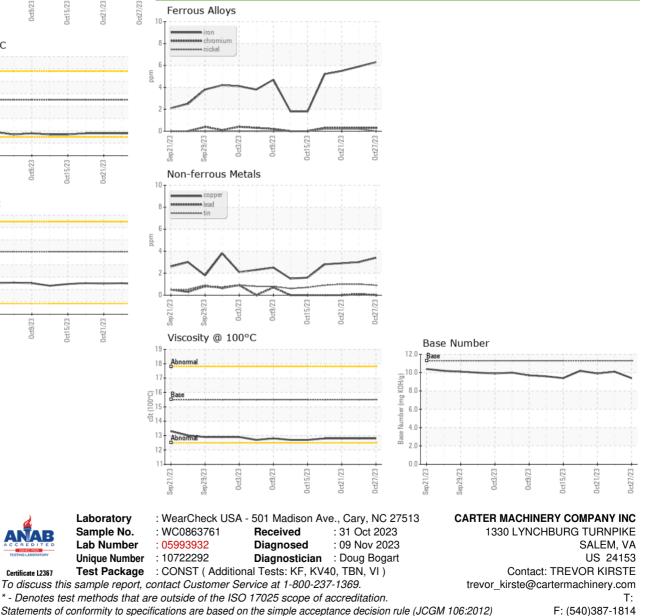
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Sep21/23

Sen29/23

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	120.5	94.28	95.0	94.7
Visc @ 100°C	cSt	ASTM D445	15.5	12.8	12.8	12.8
Viscosity Index (VI)	Scale	ASTM D2270	135	132	131	131



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367