

Document STATUS:

		<b>X</b>	<b>SERIES ENGINE</b>
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## C.A.R.E. diesel according to DIN 15940:

### Special requirements:

- Without the Fuel Density Kit a restricted engine performance has to be accepted

C.A.R.E. Diesel® significantly exceeds the quality requirements (EN 590) for diesel fuels (with the exception of the minimum density) and is clearly superior in performance to both conventional biodiesel and fossil diesel. It has, by virtue of the very high cetane number and purest composition, a performance enhanced quality without requiring additional additives. In addition, C.A.R.E. Diesel® has a very slow ageing and high storage stability factor, this diesel fuel has favourable cold flow properties at very low temperatures.

Characteristic C.A.R.E.		Unit	Limit	C.A.R.E	Test method reference
Kinematic viscosity at 40 °C (a)		mm <sup>2</sup> /s	max.	2,0	
			min.	4,0	
Density at 15 °C		kg/m <sup>3</sup>	min.	770	
			max.	790	
Cetane number		–	min.	70	
Sulfur (b)		mg/kg	max.	5	
Flash point		°C	min.	60	
Copper strip corrosion		class		1	
Acid number		mg KOH/g	max.	0,2	
Total sediment		mg/kg	max.	10	
Oxidation stability		h	min.	20	
Carbon residue: micro method on the 10 % volume distillation residue		% (wt.)	max.	0,3*	
Cloud point		°C	max.		
Pour point (upper) (c )	winter quality	°C	max.	-35	
	summer quality	°C	max.	-22	
FAME		vol%	–	0,0	
Water		mg/kg	max.	200	
Ash		% (wt.)	max.	0,01	
Lubricity, corrected wear scar diameter (wsd 1,4) at 60 °C (h)		µm	max.	460	

\*special, minimum requirements from Steyr-Motors