

NAME: REQUIREMENTS FOR GASEOUS FUELS FOR TEDOM ENGINES

**1. DETERMINATION OF THE SCOPE OF VALIDITY**

This Regulation determines requirements for the gaseous fuels specified for mobile gas engines TEDOM.

**2. FUELS**

The mobile gas engines have been homologized for the following fuels:

TG 210 AV(AH) TA 04	fuel G23 a GR
TG 180 AV(AH) NX EEV	fuel G25 a GR
TG 210 AV(AH) TA EEV	fuel G25 a GR
TG 250 AV(AH) TA EEV	fuel G25 a GR
TG 230 AV(AH) TA 06	fuel G25 a GR

fuel	methane CH <sub>4</sub> %	nitrogen N %	ethane C <sub>2</sub> H <sub>6</sub> %	sulphur S max.mg/m <sub>n</sub> <sup>3</sup>
GR	87	-	13	1
G23	92	8	-	1
G25	86	14	-	1

m<sub>n</sub><sup>3</sup> – standard cubic meter ( relative humidity 0%, pressure 101,325 kPa, temperature 15°C)

**3. REQUIREMENTS FOR GAS COMPOSITION**

When assessing requirements for gas composition, ČSN EN ISO 15403 (38 6111) has to be applied and observed.

**4. MINIMUM REQUIREMENTS FOR GASEOUS FUELS**

Fuel properties	Limit value	Units	Note
Pressure at gas regulator inlet	8 - 220	bar	
Gas pressure fluctuation	±10	%	
Gas temperature	-30 ÷ + 65	°C	
No condensation is permitted in the gas conduit			
Dust / particles (3 - 10 µm)	<10	mg/m <sub>n</sub> <sup>3</sup> CH <sub>4</sub>	

mg/m<sub>n</sub><sup>3</sup> CH<sub>4</sub> - related to 100% methane

				SUPERSEDES THE REGULATION:
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