

# DRAFT AMENDMENT

## ISO 15500-5:2012/DAM 1

ISO/TC 22/SC 41

Secretariat: UNI

Voting begins on:  
2015-08-19

Voting terminates on:  
2015-11-19

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## Road vehicles — Compressed natural gas (CNG) fuel system components —

### Part 5: Manual cylinder valve

### AMENDMENT 1

*Véhicules routiers — Composants des systèmes de combustible gaz naturel comprimé (GNC) —*

*Partie 5: Valve manuelle du cylindre*

*AMENDEMENT 1*

ICS: 43.060.40

**ITeH STANDARD PREVIEW**  
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Full standard:  
<https://standards.iteh.ai/catalog/standards/sist/a8d62aba-a0d8-40b7-9288-00e71927eef6/iso-15500-5-2012-amd-1>  
2016

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## 5 Construction and assembly

The manual cylinder valve shall comply with the applicable provisions of ISO 15500-1 and ISO 15500-2, and with the tests specified in clause 6 of this part of ISO 15500. [Tolerances should follow the specifications of ISO 15500-2](#)

**5.2** Manual cylinder valve handles, when provided, shall be securely attached to the valve spindle.

**5.3** A manual cylinder valve with 90° rotation from “on” to “off” position shall be provided with rigidly secured stops to limit rotation.

**5.4** A manual cylinder valve may be used as a service valve.

**5.5** Manual cylinder valves having 90° of rotation (quarter turn) from “on” to “off” positions shall have the handles perpendicular to the direction of flow at the valve inlet when in the “off” position.

**5.6** All manual cylinder valves shall close when the handle is rotated clockwise.

## 6 Tests

### 6.1 Applicability

The tests required to be carried out are indicated in Table 1.

**Table 1 — Tests applicable**

Test	Applicable	Test procedure as required by ISO 15500-2	Specific test requirements of this part of ISO 15500
Hydrostatic strength	X	X	X (see 6.2)
Leakage	X	X	X (see 6.3)
Excess torque resistance	X	X	
Bending moment	X	X	
Continued operation	X	X	X (see 6.4)
Corrosion resistance	X	X	
Oxygen ageing	X	X	
<a href="#">Ozone ageing</a>	<a href="#">X</a>	<a href="#">X</a>	
<a href="#">Heat Ageing</a>	<a href="#">X</a>	<a href="#">X</a>	
<a href="#">Automotive Fluids</a>	<a href="#">X</a>	<a href="#">X</a>	
Electrical overvoltages			

Non-metallic material immersion	X	X	
Vibration resistance	X	X	
Brass material compatibility	X	X	

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