ISO 6826:2022-05 (E)

Reciprocating internal combustion engines - Fire protection

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Other regulations and requirements ... **2**

5 General ... **2**

6 Engine basic class ... **2**
6.1 General ... 2
6.2 Instructions ... 3
6.3 Engine fill provisions ... 3
6.4 Stop, drain and vent valves ... 3
6.5 Piping for flammable liquids or gases ... 3
6.5.1 Pipe design and installation ... 3
6.5.2 Pipe fittings ... 3

7 Special requirements for engines ... **4**
7.1 Fire resistance ... 4
7.1.1 30-min fire-resistance test (feature code: A) ... 4
7.1.2 2,5-min fire-resistance test (feature code: B) ... 4
7.1.3 Flame-retardant characteristics of plastic components (feature code: C) ... 4
7.2 Protection of electrical components (feature code: D) ... 4
7.3 Electrostatic protection (feature code: E) ... 4
7.4 Protection of high-pressure fuel systems (feature code: F) ... 4
7.5 Protection of high-pressure hydraulic systems (feature code: G) ... 5
7.6 Drain and vent valves (feature code: H) ... 5
7.7 Filters for flammable liquids or gases ... 5
7.7.1 Filter location (feature code: J) ... 5
7.7.2 Filter trays (feature code: K) ... 5
7.8 High-temperature surfaces (feature code: L) ... 5
7.9 Protection from engine exhaust gas (feature code: M) ... 6
7.10 Protection from after-treatment system of exhaust gas (feature code: N) ... 6
7.11 Inlet system flame control ... 6
7.11.1 Inlet system flame prevention (feature code: P) ... 6
7.11.2 Inlet system fire warning (feature code: Q) ... 6
7.11.3 Inlet system drains (feature code: R) ... 6
7.12 Crankcase flame control ... 6
7.12.1 Crankcase breather flame control (feature code: S) ... 6
7.12.2 Crankcase explosion relief valve flame control (feature code: T) ... 6
7.12.3 Oil mist detection arrangements against marine engine crankcase explosions (feature code: U) ... 7
7.13 Indicator cock flame control (feature code: V) ... 7
7.14 Flexible connections in engines started by admitting air directly into the cylinders (feature code: W) ... 7

Annex A (informative) **Format for communicating special requirements** ... **8**

Bibliography ... **10**