

# ISO/TS 19713-2:2010-07 (E)

Road vehicles - Inlet air cleaning equipment for internal combustion engines and compressors - Part 2: Fractional efficiency testing with coarse particles (5 m to 40 m optical diameter)

---

## Contents

	Page
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Test equipment, accuracy and validation .....	4
4.1 Measurement accuracy .....	4
4.2 Test stand configuration .....	5
4.3 Test conditions .....	12
4.4 Validation .....	13
4.5 Reference air cleaner assemblies/air filter elements .....	14
4.6 Routine operating procedure .....	14
5 Fractional efficiency test .....	14
5.1 General .....	14
5.2 Test procedure .....	15
Annex A (informative) Test report .....	17
Annex B (normative) Efficiency data reduction .....	19
Annex C (normative) Pressure loss data reduction .....	26
Annex D (informative) Determination of maximum efficiency aerosol concentration .....	27
Annex E (normative) Accuracy requirements, validation and routine operation .....	28
Annex F (informative) Particle diameters .....	31
Annex G (normative) Aerosol isokinetic sampling .....	33
Annex H (normative) Fractional efficiency .....	36
Bibliography .....	37