ISO 789-1:2018-02 (E)

Agricultural tractors - Test procedures - Part 1: Power tests for power take-off

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Measurement units and tolerances 1

5 General requirements 2
5.1 Selection 2
5.2 Running-in and preliminary adjustments 2
5.3 Manufacturer's instructions 2
5.4 Repairs 2
5.5 Preliminary information 2
5.6 Fuels and lubricants 3
5.6.1 Selection 3
5.6.2 Measuring consumption 3
5.6.3 Tractors equipped with diesel particulate filters 3
5.7 Auxiliary equipment 3
5.8 Ambient conditions 3
5.9 Test equipment 3
5.10 Alternative PTO ratio 4
5.11 Testing rules 4
5.12 Required measurements 4
5.13 Warm-up 4

6 Test procedure 4
6.1 Varying engine speed at full load 4
6.2 Maximum power 5
6.2.1 Rated engine speed 5
6.2.2 Standard PTO speed 5
6.2.3 Absolute maximum power 5
6.3 Variable loads 5
6.3.1 Rated engine speed 5
6.3.2 Standard PTO speed 5
6.4 Variable loads and varying engine speed 6
6.4.1 Five additional points for calculating fuel consumption characteristics 6
6.4.2 Tractors with regenerating particulate filters 6
6.5 Statement of power rating 7

7 Test report 7

Bibliography 9