

# ISO/OECD 789-10:2006-07 (E)

## Agricultural tractors - Test procedures - Part 10: Hydraulic power at tractor/implement interface

---

| <b>Contents</b>            |  | <b>Page</b> |
|----------------------------|--|-------------|
| Foreword .....             |  | iv          |
| <b>1</b>                   | <b>Scope .....</b>   | <b>1</b>    |
| <b>2</b>                   | <b>Normative references .....</b>  | <b>1</b>    |
| <b>3</b>                   | <b>Terms and definitions .....</b>   | <b>1</b>    |
| <b>4</b>                   | <b>Measurement units and tolerances .....</b>  | <b>3</b>    |
| <b>5</b>                   | <b>General requirements .....</b>  | <b>3</b>    |
| 5.1                        | Specification .....  | 3           |
| 5.2                        | Running-in and preliminary adjustments .....   | 3           |
| <b>6</b>                   | <b>Available hydraulic pressure test .....</b>   | <b>4</b>    |
| 6.1                        | Steady state .....   | 4           |
| 6.1.1                      | Test conditions .....  | 4           |
| 6.1.2                      | Test procedures .....  | 5           |
| 6.1.2.1                    | Flow through single coupler pair -- Type 1 tests .....   | 5           |
| 6.1.2.2                    | Flow through single coupler pair -- Type 2 tests .....   | 5           |
| 6.1.2.3                    | Flow into sump return port with coupler -- Type 2 test .....   | 5           |
| 6.1.2.4                    | Flow into sump return port without coupler -- Type 2 test .....  | 5           |
| 6.2                        | Peak pressure .....  | 5           |
| 6.2.1                      | Test conditions .....  | 5           |
| 6.2.2                      | Test procedure -- Maximum flow selected -- Type 2 test .....   | 5           |
| 6.3                        | Test report -- Available hydraulic pressure .....  | 6           |
| 6.3.1                      | Type 1 tests .....   | 6           |
| 6.3.2                      | Type 2 tests .....   | 6           |
| <b>7</b>                   | <b>Available hydraulic power .....</b>   | <b>7</b>    |
| 7.1                        | Test conditions .....  | 7           |
| 7.2                        | Test procedures .....  | 7           |
| 7.2.1                      | Hydraulic power through single coupler pair -- Types 1 and 2 tests .....   | 7           |
| 7.2.2                      | Maximum available hydraulic power using two or more coupler pairs simultaneously --<br>Types 1 and 2 tests ..... | 8           |
| 7.3                        | Test report -- Available hydraulic power .....   | 8           |
| 7.3.1                      | Maximum available hydraulic power -- Type 1 tests .....  | 8           |
| 7.3.2                      | Maximum useable (continuous) available hydraulic power -- Type 2 tests .....                                     | 8           |
| <b>Annex A (normative)</b> | <b>Specimen test report .....</b>  | <b>10</b>   |
| <b>Bibliography .....</b>  |  | <b>14</b>   |