



OECD approval number

1 715

Restricted Code

OECD approval date

11/12/1997

Make

Massey Ferguson

Model

4270

Type

4 WD

ACBD14AAXA - 12 speeds

Emissions compliant engine - 30 km/h

Agco Limited

Manufacturer

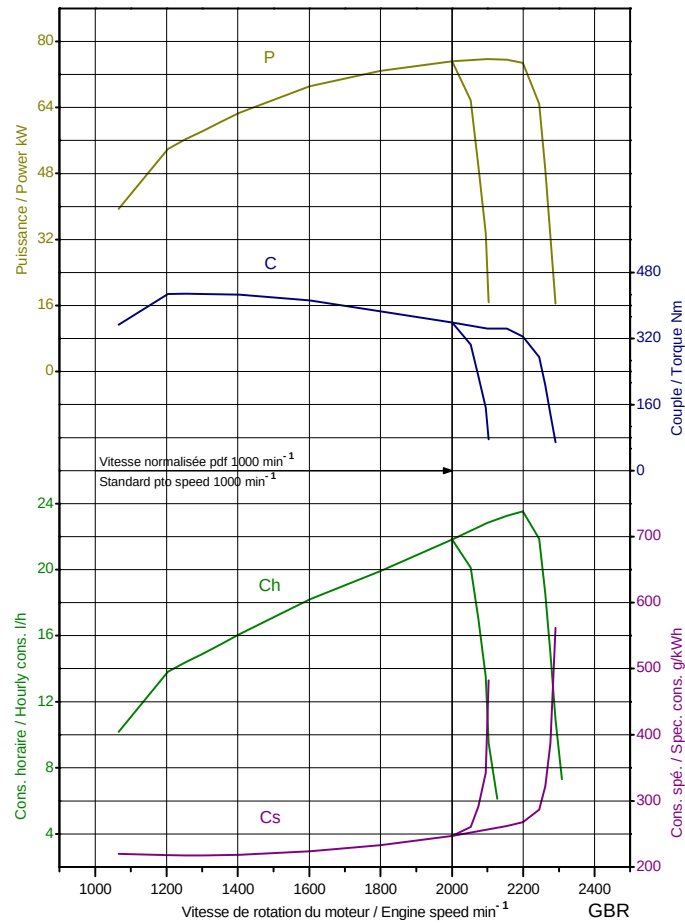
Testing station:

SRI, Silsoe, United Kingdom

Massey Ferguson 4270

4 RMWD

OCDE/OECD 1715



**Engine, Transmission, Power take-off Specifications**

|                                                   |                      |                                                          |
|---------------------------------------------------|----------------------|----------------------------------------------------------|
| <i>Make, Model</i>                                | Perkins              | 1006-6T Fastram                                          |
| <i>Type, Supercharging</i>                        | Direct injection     | Yes                                                      |
| <i>Cylinders, Disposition</i>                     | 6                    | vertical in line                                         |
| <i>Capacity, Cooling</i>                          | 5985 cm <sup>3</sup> | Liquid                                                   |
| <i>Gear box</i>                                   |                      | Mechanical synchronized                                  |
| <i>Number of forward and reverse speeds</i>       |                      | 12 12                                                    |
| <i>Speed at rated engine speed</i>                |                      | from 1.84 to 31.52 km/h                                  |
| <u>Standard Power take-off speed</u>              |                      | <u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> |                      | 625 min <sup>-1</sup> 1100 min <sup>-1</sup>             |
| <i>Diameter of the shaft</i>                      | 34.9 mm              | 34.9 mm                                                  |
| <i>Number of splines</i>                          | 6                    | 6                                                        |

**Power take-off Test**Two hours test at maximum power

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 75.7 kW | 2100 min <sup>-1</sup> | 1050 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 22.83 l/h              | 256 g/kWh              |

Test at maximum power at rated engine speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 74.8 kW | 2199 min <sup>-1</sup> | 1100 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 23.54 l/h              | 268 g/kWh              |

Test at standard Power take-off speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 75.2 kW | 2000 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 21.84 l/h              | 247 g/kWh              |

Torque rise

|                                                   |  |          |                        |
|---------------------------------------------------|--|----------|------------------------|
| <i>Maximum torque, Engine speed corresponding</i> |  | 429.2 Nm | 1254 min <sup>-1</sup> |
|---------------------------------------------------|--|----------|------------------------|

**Drawbar Test***Front tyres, Rear tyres*

|                          |           |           |
|--------------------------|-----------|-----------|
| <u>Test with tractor</u> | 14.9 R 28 | 18.4 R 38 |
|--------------------------|-----------|-----------|

*Total Mass*

|  |                    |                  |
|--|--------------------|------------------|
|  | <u>unballasted</u> | <u>ballasted</u> |
|--|--------------------|------------------|

|                             |         |     |
|-----------------------------|---------|-----|
| <i>Maximum drawbar pull</i> | 41.5 kN | Not |
|-----------------------------|---------|-----|

|                    |           |          |
|--------------------|-----------|----------|
| <i>at speed of</i> | 2.15 km/h | required |
|--------------------|-----------|----------|

|                      |         |    |
|----------------------|---------|----|
| <i>Maximum power</i> | 60.0 kW | in |
|----------------------|---------|----|

|                    |           |        |
|--------------------|-----------|--------|
| <i>at speed of</i> | 8.34 km/h | Code 2 |
|--------------------|-----------|--------|

**Hydraulic Performance and Power Lift Test***Hydraulic system*

|  |  |               |
|--|--|---------------|
|  |  | Opened centre |
|--|--|---------------|

|                                   |  |  |
|-----------------------------------|--|--|
| <u>At maximum hydraulic power</u> |  |  |
|-----------------------------------|--|--|

|                                   |            |          |        |
|-----------------------------------|------------|----------|--------|
| <i>Flow rate, Pressure, Power</i> | 26.0 l/min | 20.0 MPa | 8.7 kW |
|-----------------------------------|------------|----------|--------|

|                              |  |  |
|------------------------------|--|--|
| <u>Maximum lifting force</u> |  |  |
|------------------------------|--|--|

|                                  |  |         |         |
|----------------------------------|--|---------|---------|
| <i>at hitch points, at frame</i> |  | 35.4 kN | 31.5 kN |
|----------------------------------|--|---------|---------|

