



OECD approval number

2/1 950

OECD approval date

Restricted Code

06/03/2001

Make

Massey Ferguson

Model

4233

Type

4 WD

ABBD24JHXA - ABE MF 4233 - 12 speeds - 40 km/h

Manufacturer

Agco Limited

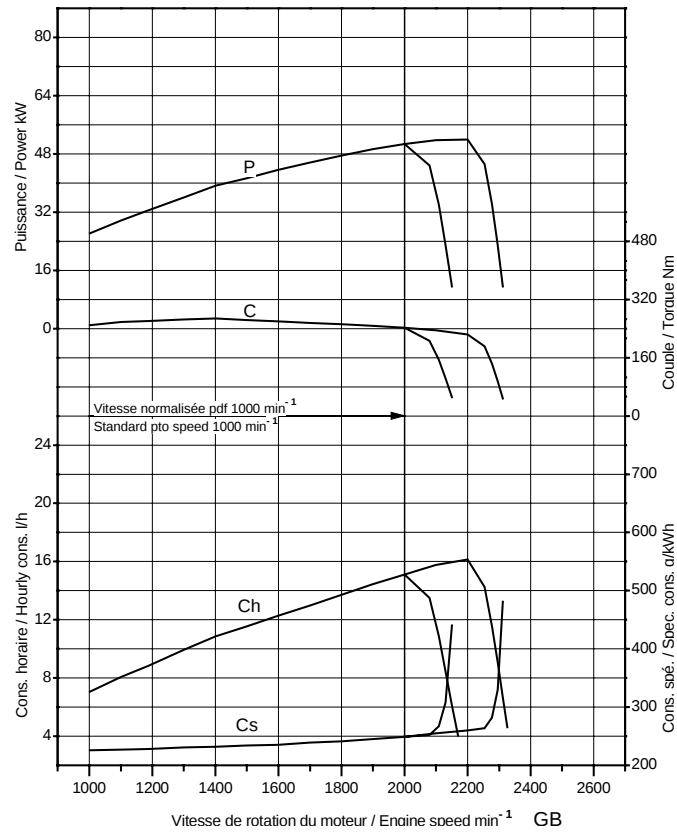
Testing station:

SRI, Silsoe, United Kingdom

Massey Ferguson 4233

4 RM/WD

OCDE/OECD 2/1950



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1004-42
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4233 cm ³	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 2.33 to 39.91 km/h
<u>Standard Power take-off speed</u>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		625 min ⁻¹ 1100 min ⁻¹
<i>Diameter of the shaft</i>		34.9 mm 34.9 mm
<i>Number of splines</i>		6 21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	52.0 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		16.14 l/h	260 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	52.0 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		16.14 l/h	260 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	50.7 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		15.11 l/h	249 g/kWh

Torque rise

		19.7 %	
<u>Maximum torque, Engine speed corresponding</u>		267.8 Nm	1401 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	12.4 - 24	13.6 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3145 kg	
<i>Maximum drawbar pull</i>	31.1 kN	Not
<i>at speed of</i>	2.02 km/h	required
<i>Maximum power</i>	44.9 kW	in
<i>at speed of</i>	10.69 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Closed centre
<i>Maximum lifting force at hitch points, at frame</i>	15.6 kN	11.9 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	27.1 l/min	19.5 MPa 8.8 kW