



OECD approval number

2/1 779

Restricted Code

OECD approval date

18/09/1998

Make

Massey Ferguson

Model

4225

Type

4 WD

CBAD24BCXAE - Emissions Compliant Engine

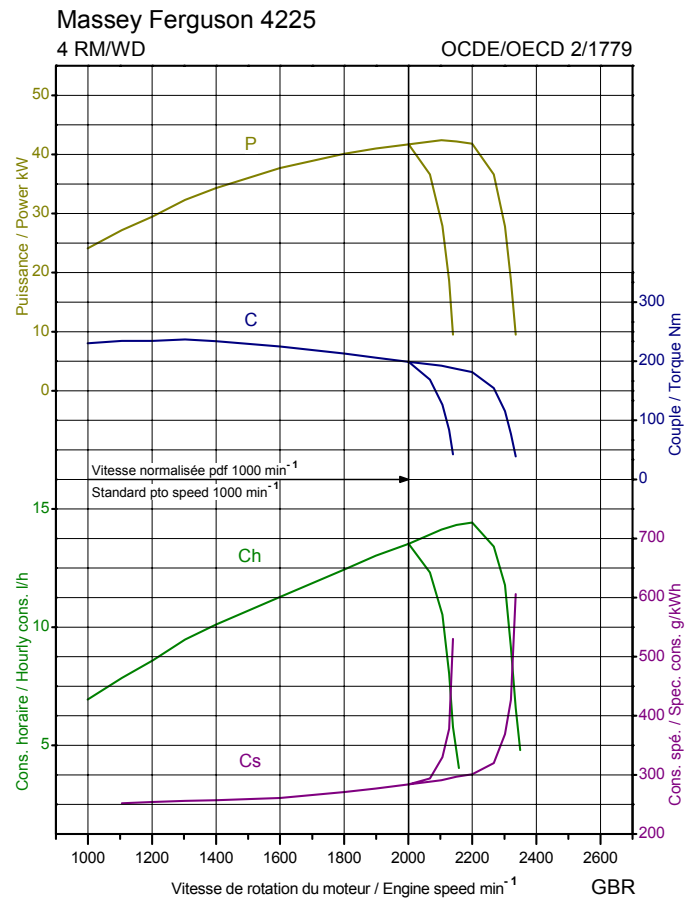
12 speeds - 40 km/h

Manufacturer

Agco Limited

Testing station:

SRI, Silsoe, United Kingdom



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1004-40
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3990 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 2.27	to 38.83 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>	42.4 kW	2104 min ⁻¹	1052 min ⁻¹
<i>Hourly and specific consumption</i>		14.13 l/h	291 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	41.8 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		14.42 l/h	301 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	41.7 kW	2001 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		13.53 l/h	284 g/kWh

Torque rise

		30.6 %
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<u>Maximum torque, Engine speed corresponding</u>	236.9 Nm	1303 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	360/70 R 24	18.4 R 30
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3460 kg	
<i>Maximum drawbar pull</i>	34.2 kN	Not
<i>at speed of</i>	2.07 km/h	required
<i>Maximum power</i>	32.3 kW	in
<i>at speed of</i>	5.97 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	25.2 l/min	20.0 MPa	8.4 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		19.3 kN	16.3 kN