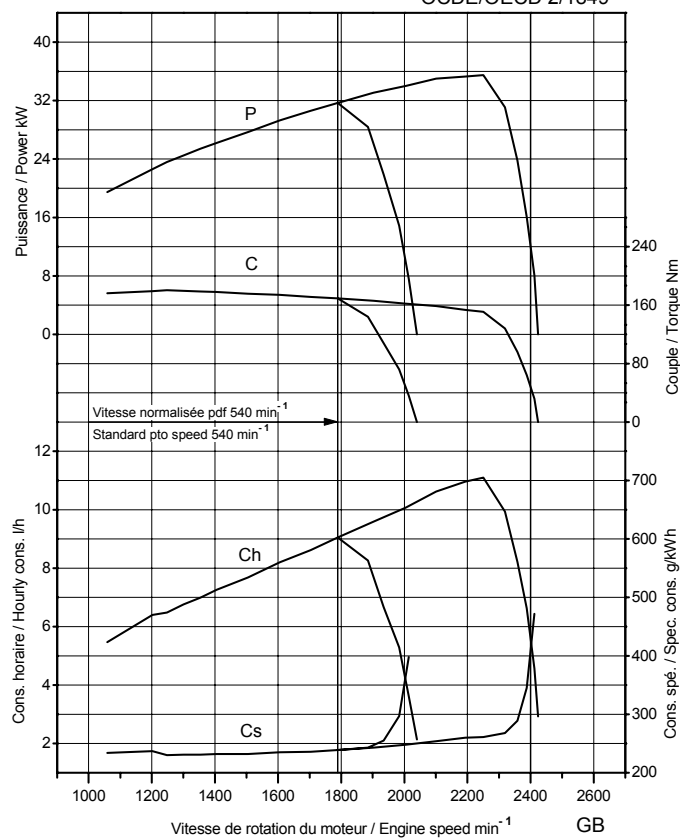




OECD approval number 2/1 849
Restricted Code
OECD approval date 13/09/1999
Make Massey Ferguson
Model 243
Type 4 WD
8 speeds - Emissions Compliant Eng. - 40 km/h
Manufacturer Agco Limited
Testing station: SRI, Silsoe, United Kingdom

Massey Ferguson 243 - 8 Speed Manual Trans. 40km/h
4 RM/WD OCDE/OECD 2/1849



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	903.27
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	2701 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>	from 2.58	to 34.83 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>	679 min ⁻¹	None
<i>Diameter of the shaft</i>	35 mm	
<i>Number of splines</i>	6	

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	35.5 kW	2250 min ⁻¹	679 min ⁻¹
<i>Hourly and specific consumption</i>		11.10 l/h	261 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	35.5 kW	2250 min ⁻¹	679 min ⁻¹
<i>Hourly and specific consumption</i>		11.10 l/h	261 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	31.7 kW	1789 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		9.05 l/h	239 g/kWh

Torque rise

		19.6 %
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<u>Maximum torque, Engine speed corresponding</u>	180.3 Nm	1248 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	320/70 R 20	14.9 R 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2327 kg	
<i>Maximum drawbar pull</i>	19.2 kN	Not
<i>at speed of</i>	3.53 km/h	required
<i>Maximum power</i>	28.1 kW	in
<i>at speed of</i>	10.21 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>	42.5 l/min	17.2 MPa	12.2 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		10.6 kN	8.7 kN