

OECD approval number

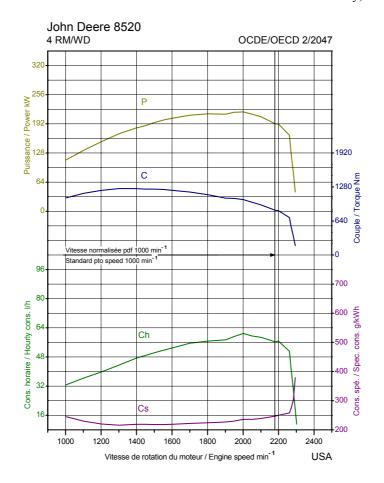
2/2 047 Restricted Code 12/02/2003

OECD approval date 12/02/2003
Make John Deere
Model 8520
Type 4 WD

Powershift - MFWD - 40 km/h John Deere Tractor Works

Manufacturer Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA





Engine, Transmission, Power take-off Sp Make, Model Type, Supercharging Cylinders, Disposition Capacity, Cooling Gear box Number of forward and reverse speeds Speed at rated engine speed Standard Power take-off speed Power take-off speed at rated engine speed Diameter of the shaft Number of splines	John Deere Direct injection 6 8134 cm ³	Mechan 16 from 1.91 540 min ⁻¹	6081HRW37 Yes vertical in line Liquid ical powershift 4 to 38.67 km/h 1000 min ⁻¹ 1009 min ⁻¹ 44.5 mm 20
Power take-off Test Two hours test at maximum power			
Power, Engine and Power take-off speed Hourly and specific consumption Test at maximum power at rated engine spe	218.4 kW	2002 min ⁻¹ 60.97 l/h	918 min ⁻¹ 236 g/kWh
Power, Engine and Power take-off speed Hourly and specific consumption Test at standard Power take-off speed	191.3 kW	2200 min ⁻¹ 56.68 l/h	1009 min ⁻¹ 250 g/kWh
Power, Engine and Power take-off speed Hourly and specific consumption Torque rise	191.3 kW	2200 min ⁻¹ 56.68 l/h	1009 min ⁻¹ 250 g/kWh 50.6 %
Maximum torque, Engine speed correspond	ling	1250.0 Nm	1301 min ⁻¹
Prawbar Test Front tyres, Rear tyres Test with tractor Total Mass Maximum drawbar pull at speed of Maximum power at speed of		380/85 R 34 <u>unballasted</u> 10800 kg 104.7 kN 5.46 km/h 191.2 kW 9.29 km/h	480/80 R 46 <u>ballasted</u> 15236 kg 158.4 kN 3.08 km/h 194.0 kW 8.12 km/h
Hydraulic Performance and Power Lift Thydraulic system	Γest		Closed centre
At maximum hydraulic power Flow rate, Pressure, Power Maximum lifting force	125.7 l/min	18.6 MPa	39.1 kW
at hitch points, at frame		80.5 kN	76.6 kN

