



OECD approval number

2/1 754

Restricted Code

OECD approval date

12/05/1998

Make

Massey Ferguson

Model

6180

Type

4 WD

F125225A311A - 40 km/h

Manufacturer

Agco S.A.

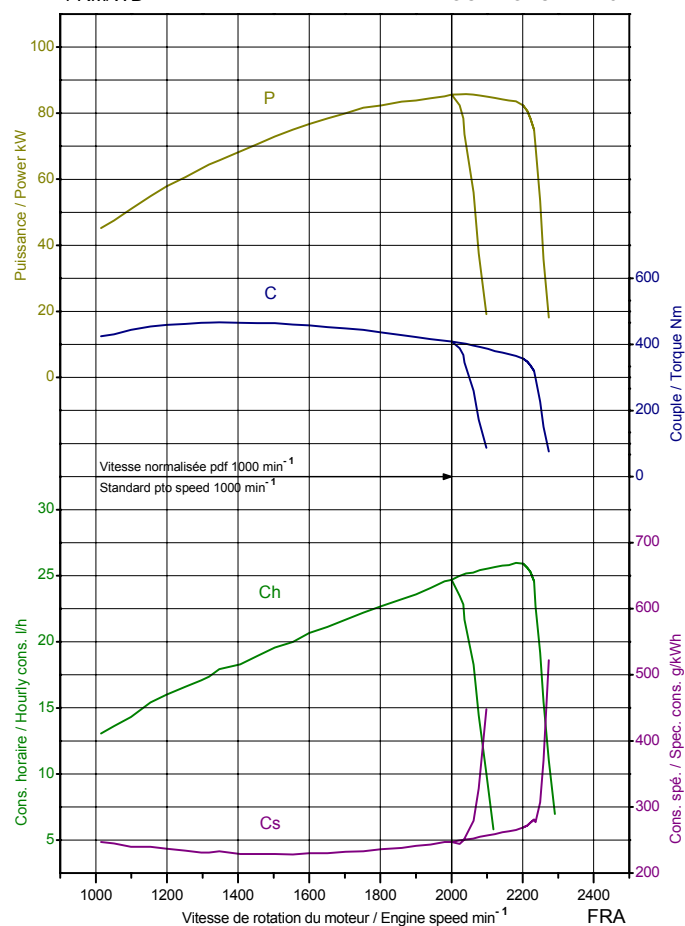
Testing station:

Cemagref, Antony, France

Massey Ferguson 6180

4 RM/WD

OCDE/OECD 2/1754



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	YH31310-1941/2200	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	vertical in line	
<i>Capacity, Cooling</i>	5985 cm ³	Liquid	
<i>Gear box</i>		Mechanical	
<i>Number of forward and reverse speeds</i>		32	32
<i>Speed at rated engine speed</i>		from 2.05	to 37.51 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>		601 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>	85.8 kW	2041 min ⁻¹	1021 min ⁻¹
<i>Hourly and specific consumption</i>		24.17 l/h	251 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	82.3 kW	2202 min ⁻¹	1101 min ⁻¹
<i>Hourly and specific consumption</i>		25.92 l/h	269 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	85.6 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		24.69 l/h	247 g/kWh

Torque rise

		31.0 %	
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Maximum torque, Engine speed corresponding

		467.5 Nm	1347 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

	14.9 R 28	18.4 R 38
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Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	4965 kg	
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Maximum drawbar pull

	48.0 kN	Not
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at speed of

	2.10 km/h	required
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Maximum power

	75.2 kW	in
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at speed of

	8.46 km/h	Code 2
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	50.7 l/min	16.5 MPa	14.0 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		49.7 kN	39.7 kN
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