



OECD approval number

2/1 909

Restricted Code

OECD approval date

30/06/00

Make

New Holland

Model

TM 165

Type

4 WD

M5C7BE - Semi Power Shift Transmission

18 forward speeds - 40 km/h

Manufacturer

New Holland UK Ltd

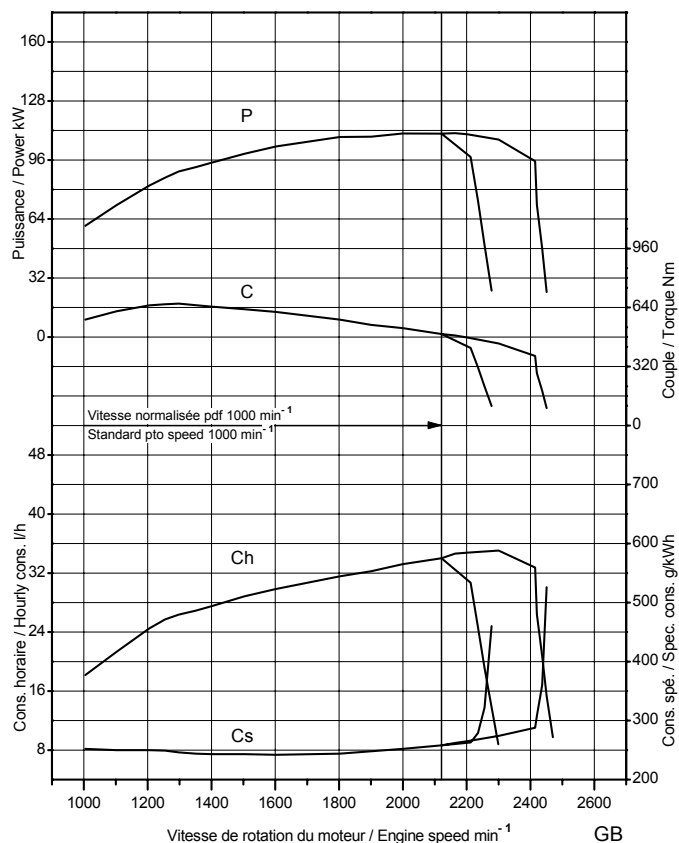
Testing station:

SRI, Silsoe, United Kingdom

New Holland TM 165

4 RM/WD

OCDE/OECD 2/1909



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	New Holland	675T/WW
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7480 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>		18 6
<i>Speed at rated engine speed</i>		from 2.21 to 36.59 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>		603 min ⁻¹ 1038 min ⁻¹
<i>Diameter of the shaft</i>		34.9 mm 34.9 mm
<i>Number of splines</i>		6 6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	110.6 kW	2164 min ⁻¹	1021 min ⁻¹
<i>Hourly and specific consumption</i>		34.64 l/h	262 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	107.0 kW	2300 min ⁻¹	1085 min ⁻¹
<i>Hourly and specific consumption</i>		35.03 l/h	274 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	110.2 kW	2121 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		34.01 l/h	258 g/kWh

Torque rise

		48.7 %	
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<u>Maximum torque, Engine speed corresponding</u>	660.4 Nm	1298 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 - 28	20.8 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6557 kg	
<i>Maximum drawbar pull</i>	65.0 kN	Not
<i>at speed of</i>	2.03 km/h	required
<i>Maximum power</i>	96.1 kW	in
<i>at speed of</i>	13.62 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>	41.6 kN	37.6 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	110.3 l/min	17.0 MPa 31.3 kW