



OECD approval number

1/1 822

OECD approval date

Full Code
21/04/1999

Make

Hürlimann

Model

XN 707

Type

4 WD

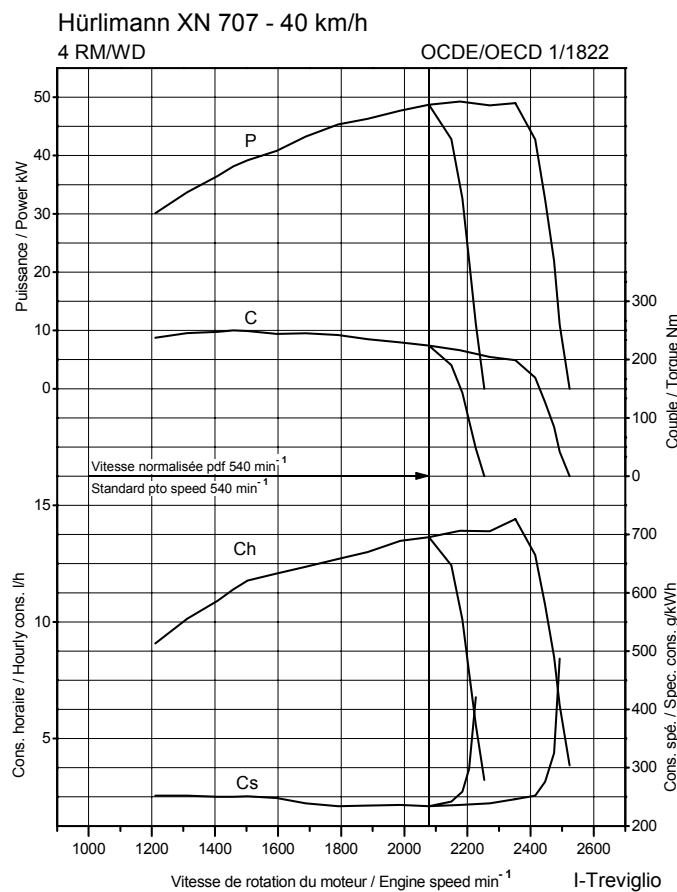
45 speeds - H10N703WVT - 40 km/h

Manufacturer

Same Deutz-Fahr Group S.p.A.

Testing station:

ISMA, Treviso, Italy



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Same Deutz-Fahr Group		1000.3WT1
<i>Type, Supercharging</i>	Direct injection		Yes
<i>Cylinders, Disposition</i>	3		vertical in line
<i>Capacity, Cooling</i>	3000 cm ³		Liquid
<i>Gear box</i>			Mechanical synchronized
<i>Number of forward and reverse speeds</i>	45		45
<i>Speed at rated engine speed</i>	from 0.15		to 33.63 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>	611 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>	49.2 kW	2177 min ⁻¹	566 min ⁻¹
<i>Hourly and specific consumption</i>		13.91 l/h	236 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	49.0 kW	2352 min ⁻¹	612 min ⁻¹
<i>Hourly and specific consumption</i>		14.41 l/h	246 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	48.7 kW	2078 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		13.64 l/h	234 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		250.0 Nm	1458 min ⁻¹
---	--	----------	------------------------

Drawbar Test

<i>Front tyres, Rear tyres</i>	240/70 R 16	380/70 R 20
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2455 kg	2690 kg
<i>Maximum drawbar pull</i>	27.1 kN	30.8 kN
<i>at speed of</i>	0.60 km/h	1.28 km/h
<i>Maximum power</i>	45.1 kW	44.8 kW
<i>at speed of</i>	7.01 km/h	14.90 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	25.0 l/min	16.8 MPa	7.0 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		16.3 kN	10.7 kN