



OECD approval number

2/2 112

OECD approval date

Restricted Code

24/02/2004

Make

Landini

Model

Legend DT 115

Type

4 WD

Manufacturer

SAKL/ - 40 km/h

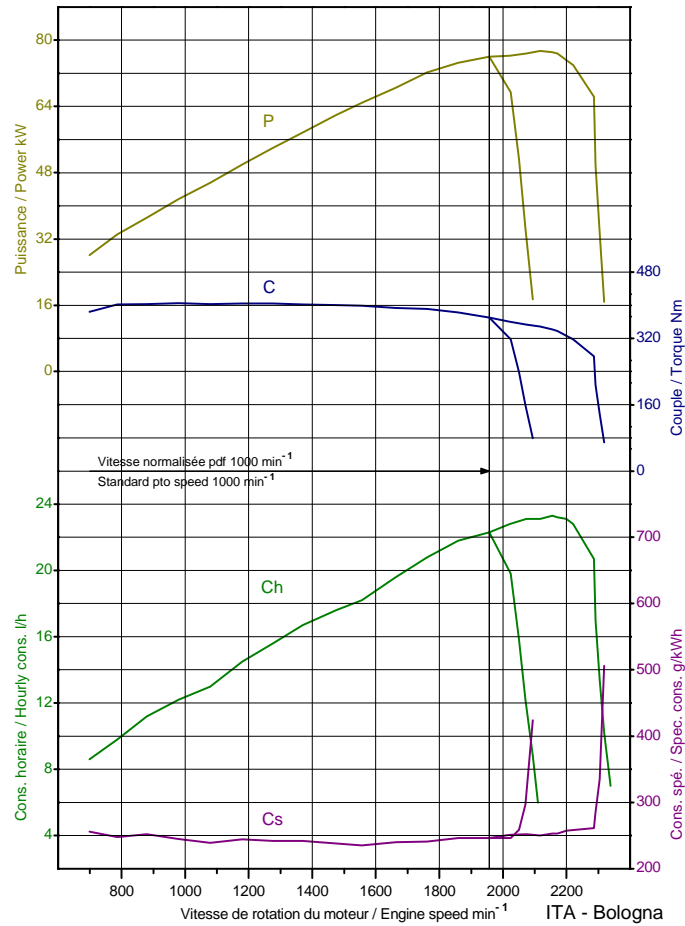
Landini S.p.A.

Testing station: Università di Bologna, Bologna, Italy

Landini Legend DT 115

4 RM/WD

OCDE/OECD 2/2112



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	A6131
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	5985 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>		18 18
<i>Speed at rated engine speed</i>		from 1.89 to 40.79 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 1124 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off Test

<u>Two hours test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	77.4 kW	2117 min ⁻¹	1082 min ⁻¹
<i>Hourly and specific consumption</i>		23.11 l/h	250 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	75.1 kW	2200 min ⁻¹	1124 min ⁻¹
<i>Hourly and specific consumption</i>		23.05 l/h	257 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	76.0 kW	1957 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		22.34 l/h	246 g/kWh
<u>Torque rise</u>			24.4 %
<u>Maximum torque, Engine speed corresponding</u>		405.8 Nm	979 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 R 28	18.4 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	5005 kg	
<i>Maximum drawbar pull</i>	43.4 kN	<i>Not</i>
<i>at speed of</i>	4.65 km/h	<i>required</i>
<i>Maximum power</i>	66.1 kW	<i>in</i>
<i>at speed of</i>	9.05 km/h	<i>Code 2</i>

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	55.6 l/min	18.9 MPa	17.5 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		62.2 kN	56.0 kN