



OECD approval number
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Make
Model
Type

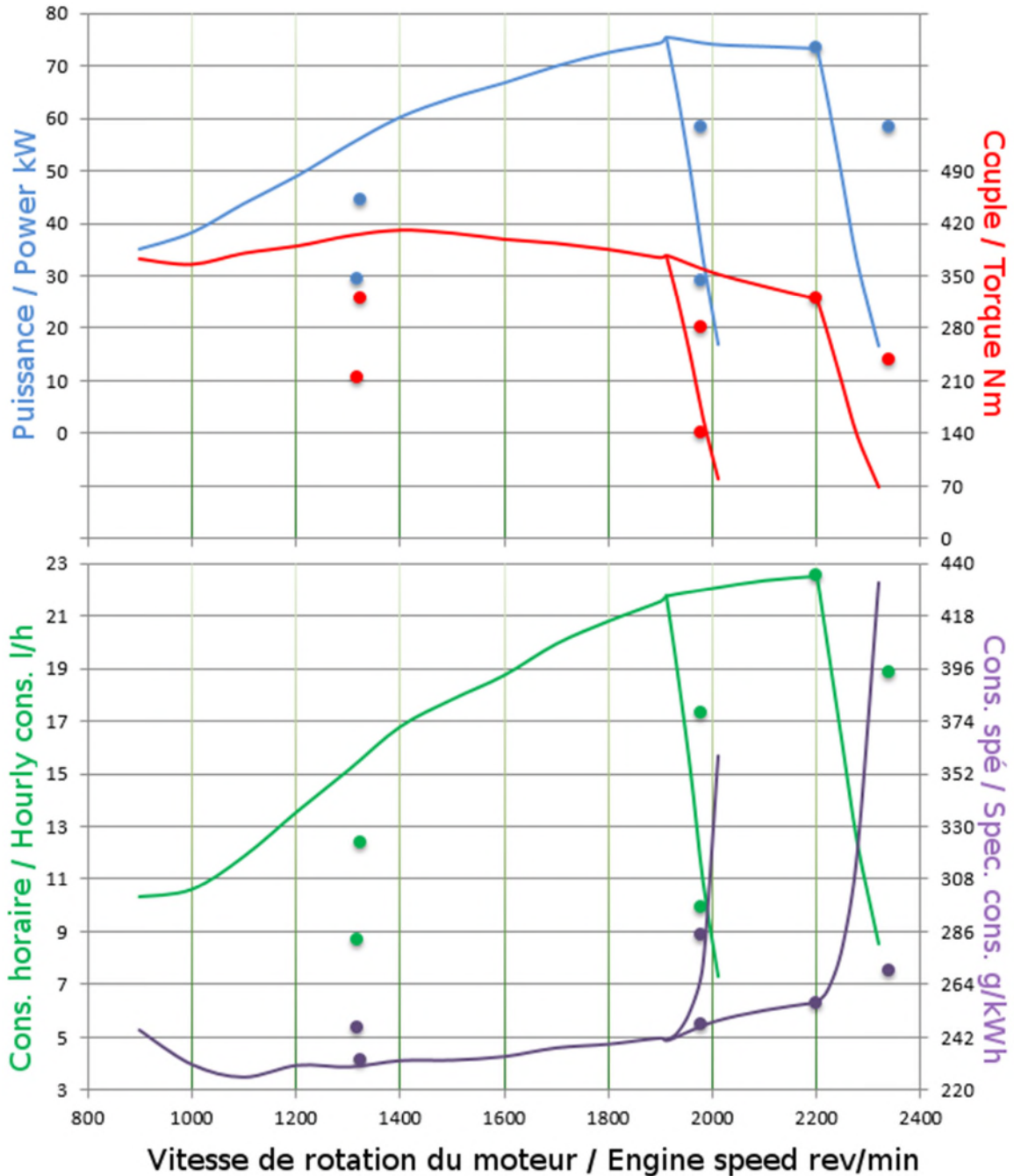
2/2 834
13/05/2014
Landini
5-110H
4WD

Manufacturer:
Testing station:

Mechanical - 40 km/h
 ARGO TRACTORS SPA.
 IMAMOTER – Italy

Landini 5-110H
4WD

OCDE/OECD 2/2 834



Engine, Transmission, Power take-off Specifications

	FPT PERKINS	PERKINS
<i>Make, Model</i>		854E-E34TA/3706/2200
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3387 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		12
<i>Speed at rated engine speed</i>	from 1.46	to 39.16 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	611 min ⁻¹	1148 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	21

Power take-off Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	75.6 kW	1913 min ⁻¹	531 min ⁻¹
<i>Hourly and specific consumption</i>		21.77 l/h	241 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	73.5 kW	2200 min ⁻¹	611 min ⁻¹
<i>Hourly and specific consumption</i>		22.54 l/h	256 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	75.6 kW	1913 min ⁻¹	531 min ⁻¹
<i>Hourly and specific consumption</i>		21.77 l/h	241 g/kWh

Torque rise

29.0 %

Maximum torque, Engine speed corresponding

411.4 Nm 1400 min⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	440/65 R24	540/65 R34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3890 kg	4470 kg
<i>Maximum drawbar pull</i>	35.3 kN	39.8 kN
<i>at speed of</i>	3.20 km/h	1.62 km/h
<i>Maximum power</i>	57.4 kW	58.4 kW
<i>at speed of</i>	8.87 km/h	7.13 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	45.6 l/min	18.0 MPa	13.7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	44.0 l/min	18.5 MPa	13.6 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		34.4 kN	29.9 kN