



OECD approval number
OECD approval date
Make
Model
Type

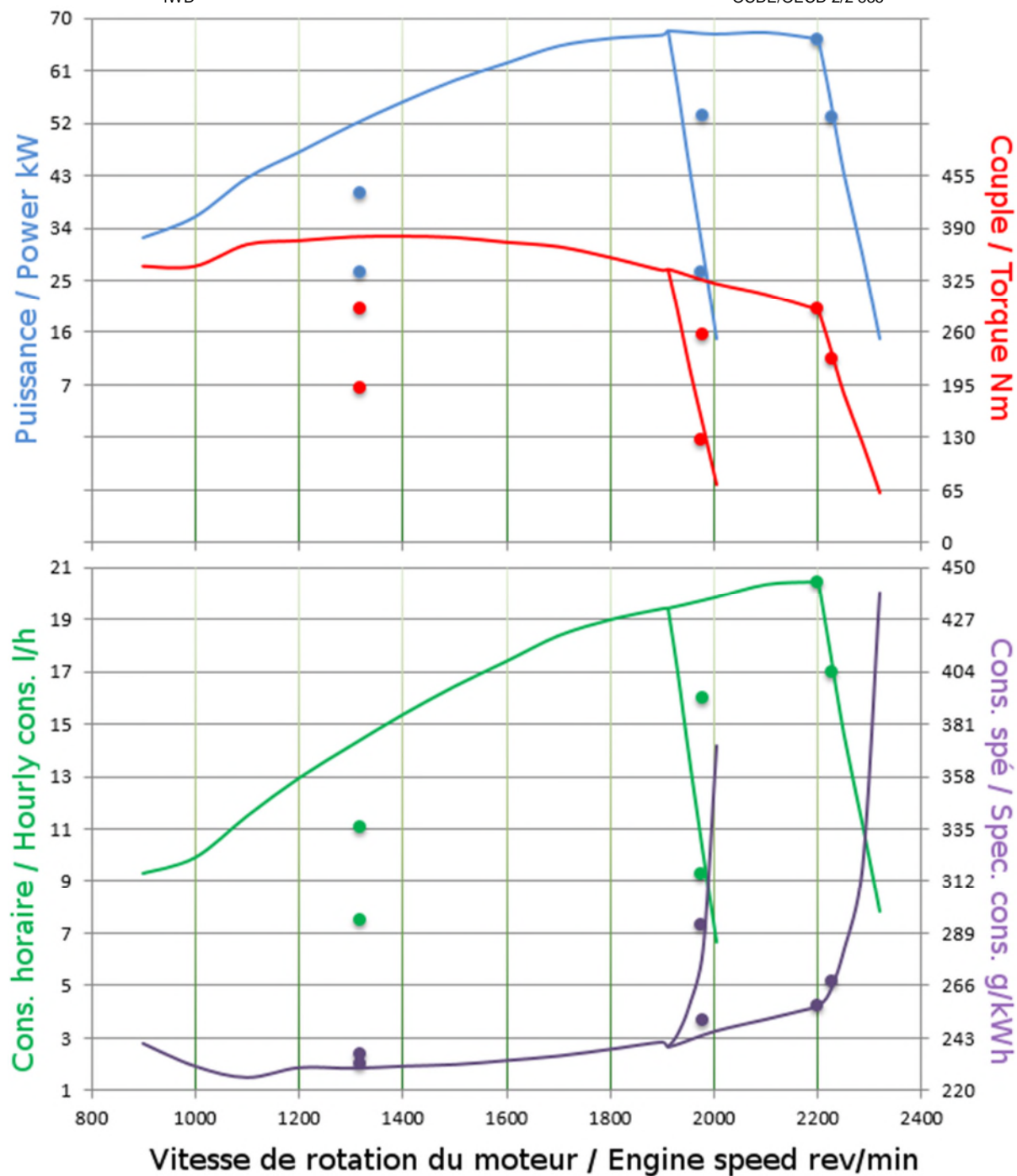
Manufacturer:
Testing station:

2/2 835
13/05/2014
Landini
5-100H
4WD

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

Landini 5-100H
4WD

OCDE/OECD 2/2 835



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FPT PERKINS	PERKINS
<i>Type, Supercharging</i>	Direct injection	854E-E34TA/3706/2200
<i>Cylinders, Disposition</i>	4	Yes
<i>Capacity, Cooling</i>	3387 cm ³	vertical in line
<i>Gear box</i>		Liquid
<i>Number of forward and reverse speeds</i>		Mechanical
<i>Speed at rated engine speed</i>	36	12
<i>Standard Power take-off speed</i>	from 1,46	to 39,16 km/h
<i>Power take-off speed at rated engine speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Diameter of the shaft</i>	611 min ⁻¹	1148 min ⁻¹
<i>Number of splines</i>	34,9 mm	34,9 mm
	6	21

Power take-off Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	67,8 kW	1913 min ⁻¹	531 min ⁻¹
<i>Hourly and specific consumption</i>		19,40 l/h	239 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	66,4 kW	2200 min ⁻¹	611 min ⁻¹
<i>Hourly and specific consumption</i>		20,43 l/h	257 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	67,8 kW	1913 min ⁻¹	531 min ⁻¹
<i>Hourly and specific consumption</i>		19,40 l/h	239 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		379,2 Nm	31,6 %
			1400 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	440/65 R24	540/65 R34
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3890 kg	4470 kg
<i>Maximum drawbar pull</i>	35,2 kN	38,9 kN
<i>at speed of</i>	2,06 km/h	1,61 km/h
<i>Maximum power</i>	52,3 kW	52,5 kW
<i>at speed of</i>	8,71 km/h	7,10 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<i>At maximum hydraulic power</i>			
<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
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		34,4 kN	29,9 kN