



OECD approval number  
OECD approval date  
Make  
Model  
Type

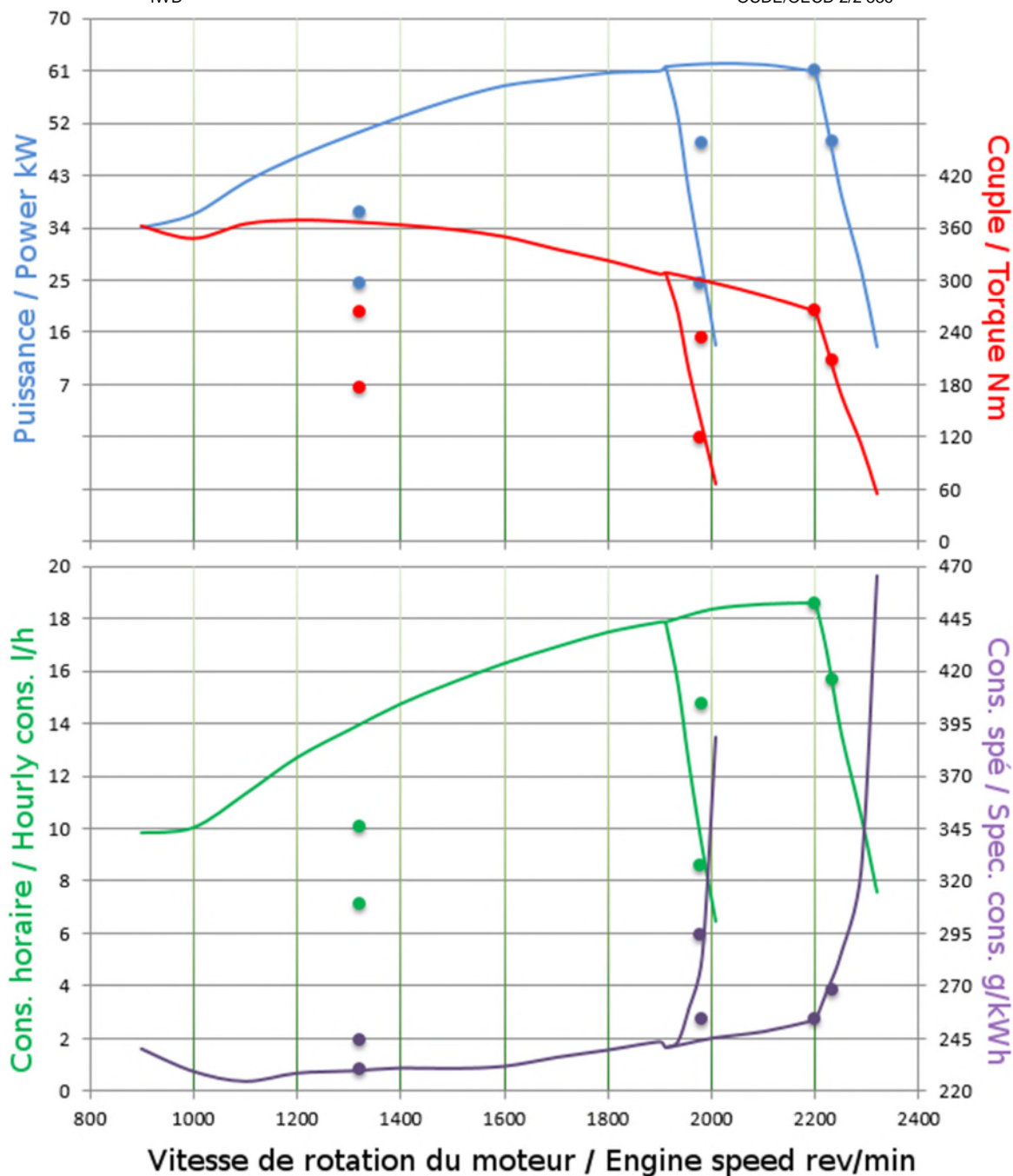
Manufacturer:  
Testing station:

2/2 836  
13/05/2014  
Landini  
5-090H  
4WD

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

Landini 5-090H  
4WD

OCDE/OECD 2/2 836



## 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 <sup>3</sup>	vertical in line
<i>Gear box</i>		Liquid
<i>Number of forward and reverse speeds</i>		Mechanical
<i>Speed at rated engine speed</i>		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 <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Diameter of the shaft</i>	611 min <sup>-1</sup>	1148 min <sup>-1</sup>
<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>	62.3 kW	2000 min <sup>-1</sup>	555 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		18.32 l/h	245 g/kWh

### Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	61.0 kW	2200 min <sup>-1</sup>	611 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		18.56 l/h	254 g/kWh

### Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	61.8 kW	1913 min <sup>-1</sup>	531 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		17.84 l/h	241 g/kWh

### Torque rise

<i>Maximum torque, Engine speed corresponding</i>		368.2 Nm	39.1 %
			1200 min <sup>-1</sup>

## 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>	35.6 kN	40.8 kN
<i>at speed of</i>	3.10 km/h	1.3 km/h
<i>Maximum power</i>	50.0 kW	50.3 kW
<i>at speed of</i>	8.69 km/h	6.10 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