



OECD approval number

2/2 588

OECD approval date

24/01/2011

Make

FOTON

Model

TG1454

Type

4 WD

mechanical - 30 km/h

Manufacturer:

Foton Lovol International Heavy

Industry Co., Ltd.

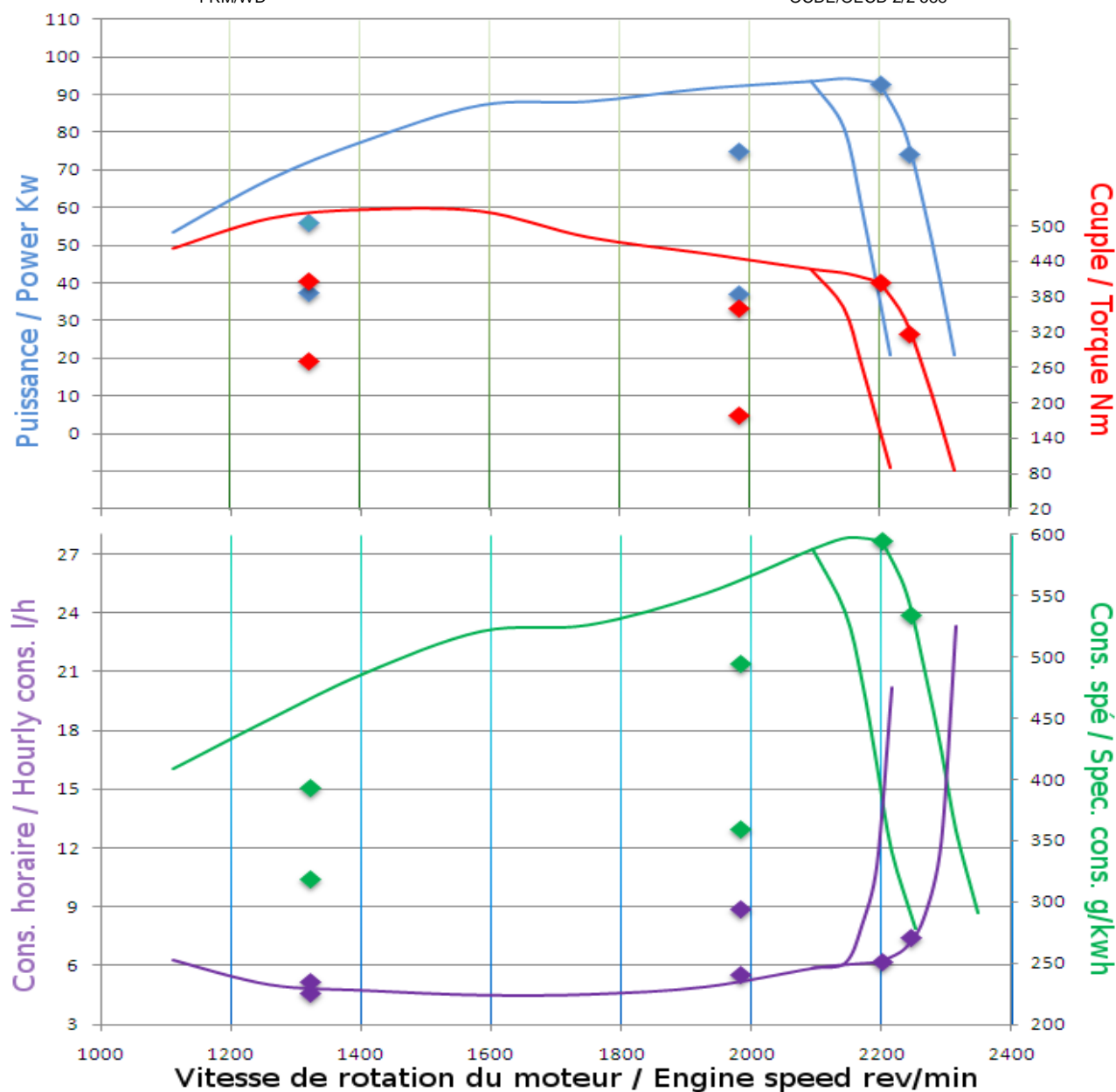
Testing station:

CAMTC, Beijing, China

FOTON TG1454

4 RMWD

OCDE/OECD 2/2 588



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	FOTON LOVOL	1006-6WRT145
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	5985 cm <sup>3</sup>	Liquid
<i>Gear box</i>		mechanical
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2,82	to 28,08 km/h
<u>Standard Power take-off speed</u>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	604 min <sup>-1</sup>	1050 min <sup>-1</sup>
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	21	21

**Power take-off Test**One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	94,14 kW	2148 min <sup>-1</sup>	1025 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		27,82 l/h	249,2 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	92,91 kW	2200 min <sup>-1</sup>	1050 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		27,65 l/h	251 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	93,41 kW	2095 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		27,25 l/h	246 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>	527,8 Nm	1404 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	14.9-28	18.4-38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7328 kg	8020 kg
<i>Maximum drawbar pull</i>	67,77 kN	
<i>at speed of</i>	2,52 km/h	<i>Not</i>
<i>Maximum power</i>	76,57 kW	<i>required</i>
<i>at speed of</i>	6,94 km/h	

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>		Open center
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	58,60 l/min	15,4 MPa
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		15,04 kW
<u>Maximum lifting force</u>		<i>Not required</i>
<i>at the hitch points, at frame</i>	54,18 kN	39,33 kN