



OECD approval number

2/2 587

OECD approval date

24/01/2011

Make

FOTON

Model

TG1254

Type

4 WD

mechanical - 30 km/h

Manufacturer:

Foton Lovol International Heavy

Industry Co., Ltd.

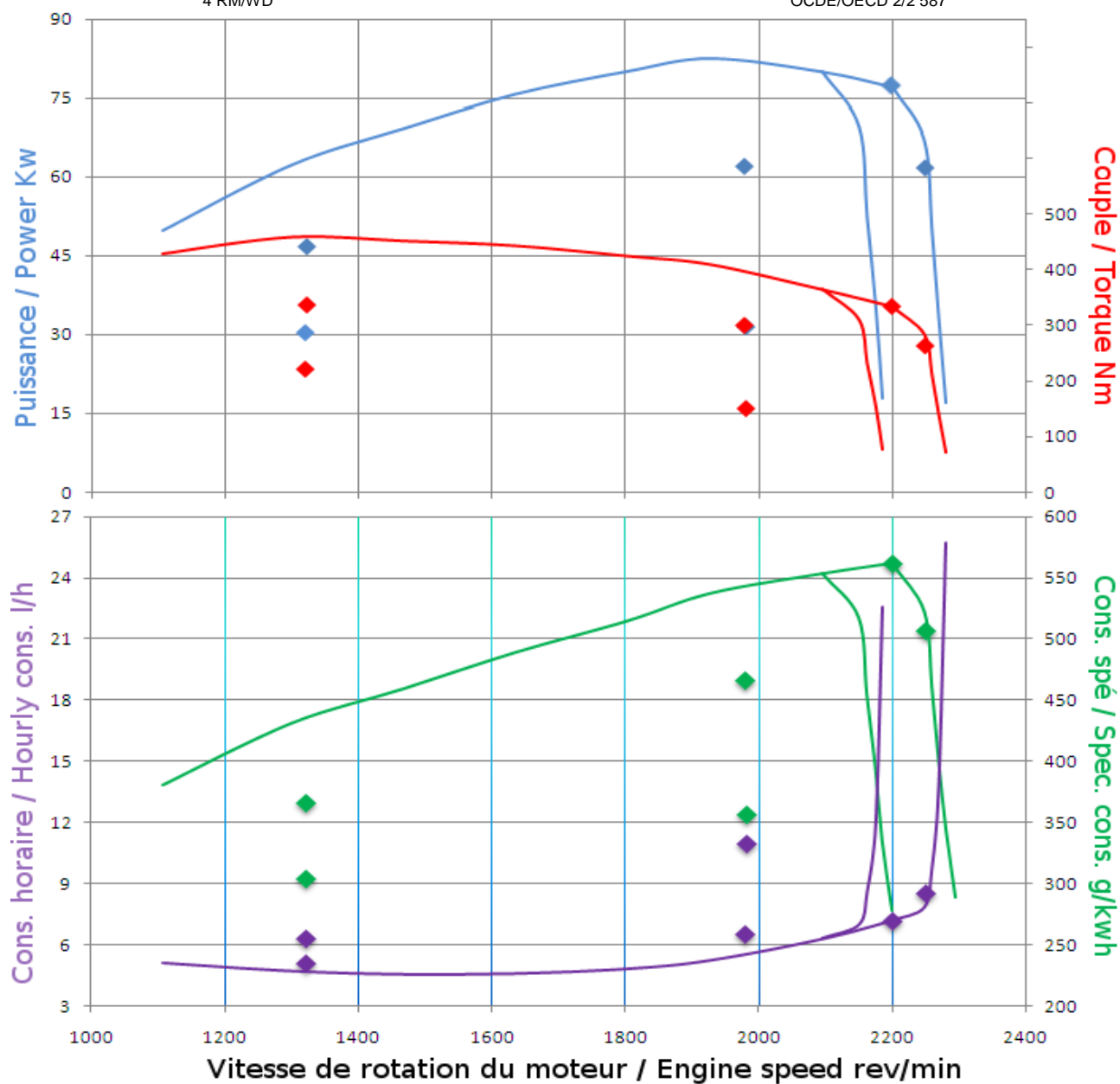
Testing station:

CAMTC, Beijing, China

FOTON TG1254

4 RMWD

OCDE/OECD 2/2 587



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FOTON LOVOL	1006-6TRT125
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	5985 cm ³	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
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	604 min ⁻¹	1050 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	21	21

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	80,11 kW	2095 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		24,22 l/h	255 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	77,19 kW	2200 min ⁻¹	1050 min ⁻¹
<i>Hourly and specific consumption</i>		24,73 l/h	270,2 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	80,11 kW	2095 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		24,22 l/h	255 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	458,2 Nm	1299 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9-28	18.4-38
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6488 kg	7526 kg
<i>Maximum drawbar pull</i>	53,85 kN	
<i>at speed of</i>	3,26 km/h	Not
<i>Maximum power</i>	66,81 kW	required
<i>at speed of</i>	6,14 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Open center
<i>At maximum hydraulic power</i>		
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	56,90 l/min	16,0 MPa
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		15,17 kW
<i>Maximum lifting force</i>		Not required
<i>at the hitch points, at frame</i>	55,80 kN	36,00 kN