



OECD approval number
OECD approval date
Make
Model
Type

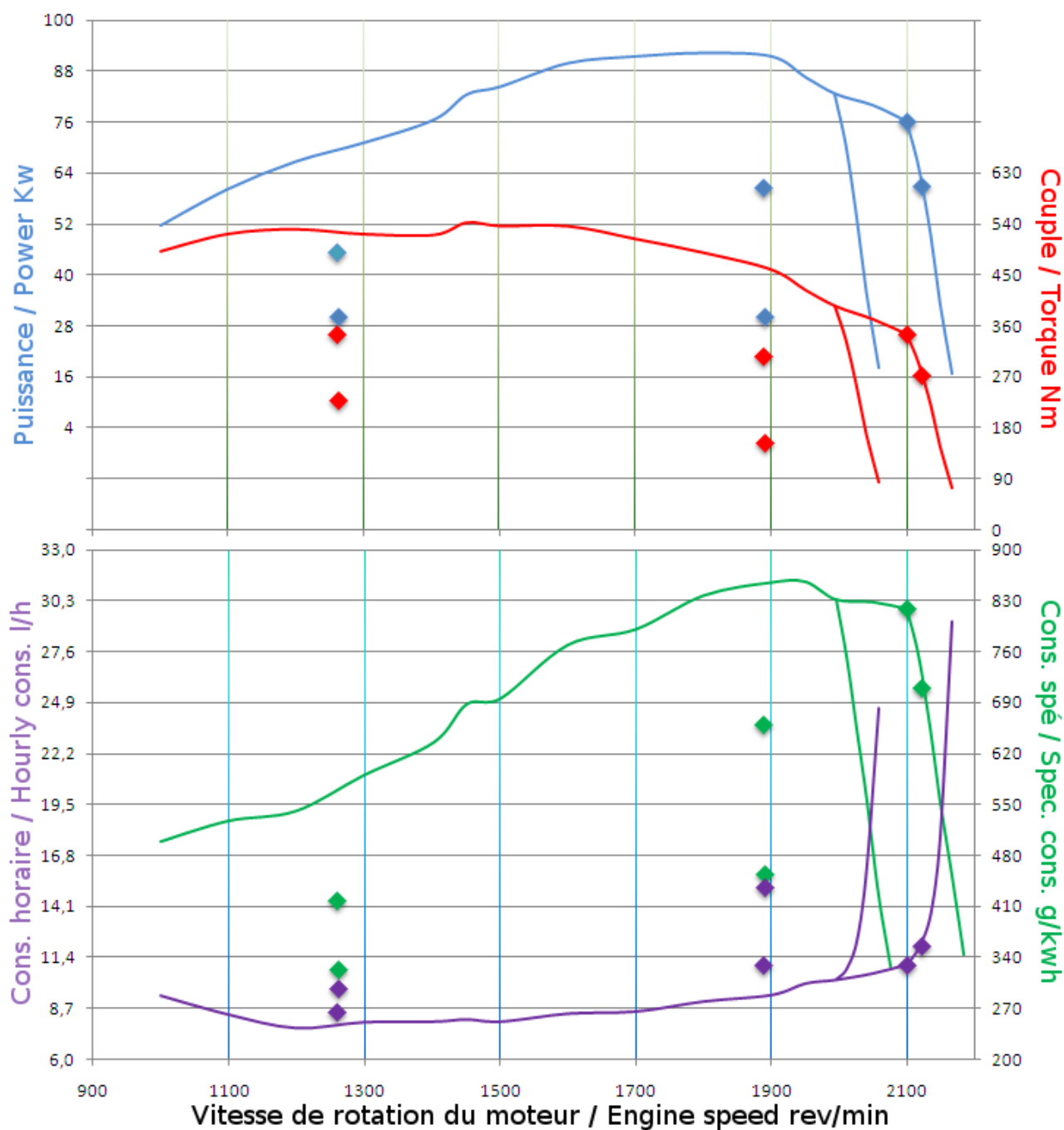
2/2 604
29/04/2011
PRONAR
6180
4 WD

mechanical transmission - 40 km/h
PRONAR Sp. z o.o.
SZZPLS, a.s., Praha, Czech
Republic

Manufacturer:
Testing station:

PRONAR 6180
4 RM/WD

OCDE/OECD 2/2 604



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	DEUTZ	TCD 2012 L06 2V Code C3UT118
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6057 cm ³	Liquid
<i>Gear box</i>		mechanical
<i>Number of forward and reverse speeds</i>		40
<i>Speed at rated engine speed</i>		from 0,42 to 40,00 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>		566 min ⁻¹ 1052 min ⁻¹
<i>Diameter of the shaft</i>	34,9 or 44,4 mm	34,9 or 44,4 mm
<i>Number of splines</i>	6, 21 or 20	6, 21 or 20

Power take-off Test

<u>One hour test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	92,2 kW	1800 min ⁻¹	902 min ⁻¹
<i>Hourly and specific consumption</i>		30,58 l/h	279 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	76,1 kW	2099 min ⁻¹	1052 min ⁻¹
<i>Hourly and specific consumption</i>		29,88 l/h	330 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	82,5 kW	1995 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		30,36 l/h	309 g/kWh
<u>Torque rise</u>			56,6 %
<u>Maximum torque, Engine speed corresponding</u>		542,3 Nm	1451 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	480/70 R 28	580/70 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6495 kg	7230 kg
<i>Maximum drawbar pull</i>	54,3 kN	
<i>at speed of</i>	3,58 km/h	Not
<i>Maximum power</i>	80,6 kW	required
<i>at speed of</i>	7,33 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>	75,0 l/min	16,5 MPa	20,6 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	75,0 l/min	18,1 MPa	22,6 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		67,5 kN	62,1 kN