

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 904
OECD Approval Date	25/08/2015
Make	KIOTI
Model	DK4510
Type	4WD
Transmission	Synchro-mesh
Speed	30 km/h
Manufacturer	DAEDONG INS. CO., Ltd.
Testing Station	F.A.C.T. – Korea



SPECIFICATIONS

ENGINE

<i>Make</i>	DAEDONG
<i>Model</i>	4B243LWL-E1
<i>Type</i>	Indirect injection
<i>Supercharging</i>	No
<i>Cylinders</i>	4
<i>Disposition</i>	vertical in line
<i>Capacity</i>	2435 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Synchro-mesh
<i>Number of forward and reverse speeds</i>	16
<i>Speed at rated engine speed</i>	from 0,33 to 29,99 km/h

POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	572 min ⁻¹	
<i>Diameter of the shaft</i>	35 mm	<i>Not</i>
<i>Number of splines</i>	6	<i>Applicable</i>

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	28,6 kW	2300 min ⁻¹	506 min ⁻¹
Hourly and specific consumption		9,88 l/h	287 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at maximum power at rated engine speed

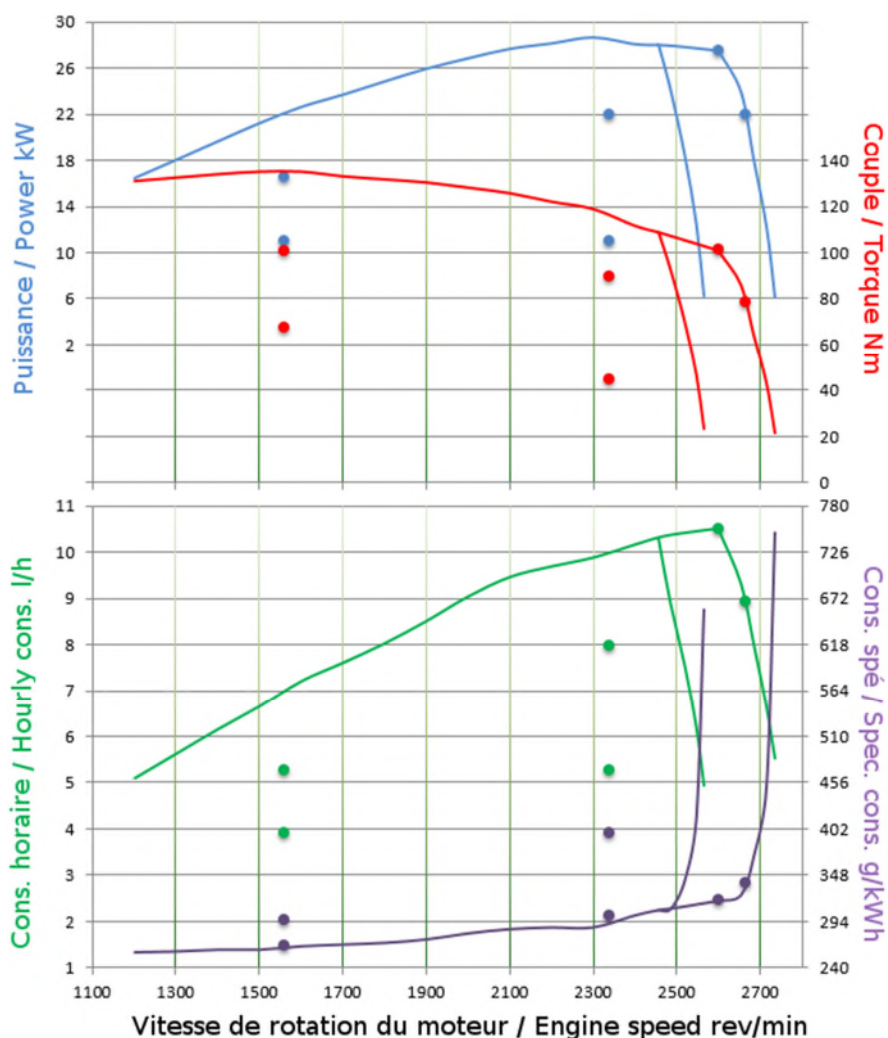
Power, Engine and Power take-off speed	27,5 kW	2600 min ⁻¹	572 min ⁻¹
Hourly and specific consumption		10,51 l/h	318 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	28,0 kW	2455 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		10,31 l/h	307 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Torque rise

Maximum torque, Engine speed corresponding	135,1 Nm	1500 min ⁻¹	33,7 %
--	----------	------------------------	--------



 PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not Applicable

 HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Open centre

Relief valve pressure setting (tolerance):

19 ± 0,5 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

35,0 l/min

14,8 MPa

8,6 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

Not

Applicable

 POWER LIFT

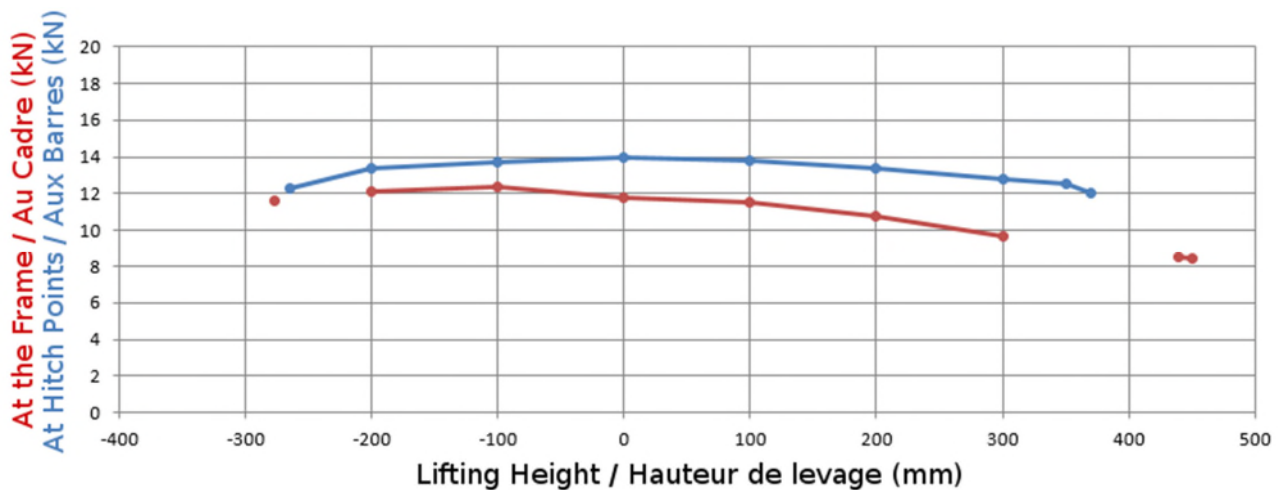
Maximum lifting force

at the hitch points

12,0 kN

at the frame

8,4 kN

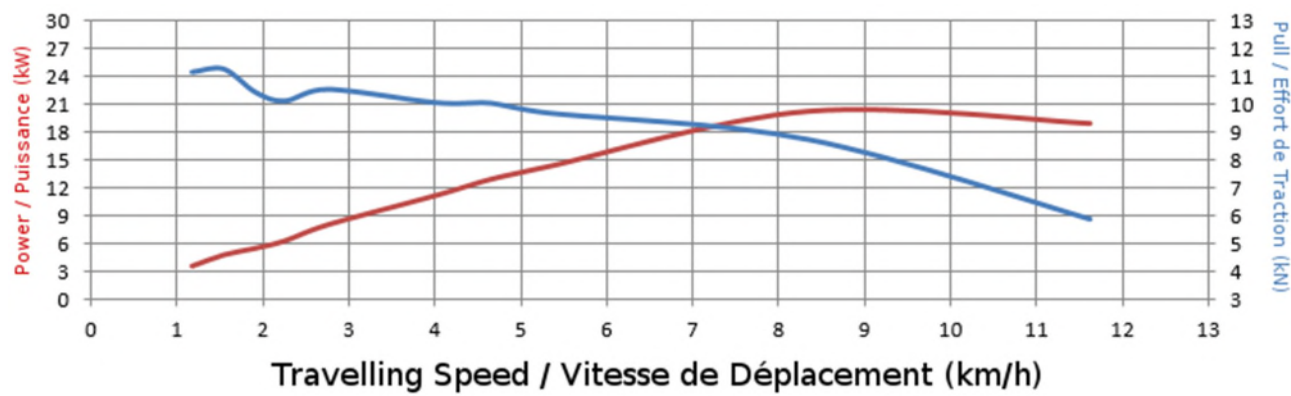


DRAWBAR TEST

Front tyres, Rear tyres	9.5 - 16	13.6 - 24
Inflation pressure	216 kPa	157 kPa

UNBALLASTED

Total Mass	1560 kg
Maximum drawbar pull	11,27 kN
at speed of	1,55 km/h
Maximum power	20,28 kW
at speed of	8,36 km/h



BALLASTED

Not Applicable