

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 916
OECD Approval Date	23/12/2015
Make	MASSEY FERGUSON
Model	7724 Dyna 6
Type	4WD
Transmission	Mechanical
Speed	40 km/h
Manufacturer	AGCO S.A.S.
Testing Station	IRSTEA – France



SPECIFICATIONS

ENGINE

<i>Make</i>	AGCO POWER Inc
<i>Model</i>	74 AWF 996
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	7365 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	24	24
<i>Speed at rated engine speed</i>	from 1,60	to 40,00 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>	600 min ⁻¹	1088 min ⁻¹
<i>Diameter of the shaft</i>	34,9 mm	34,9 mm
<i>Number of splines</i>	6	21

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	162,0 kW	1949 min ⁻¹	1010 min ⁻¹
Hourly and specific consumption		46,34 l/h	239 g/kWh
Hourly and specific urea consumption		3,17 l/h	21,2 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	149,9 kW	2099 min ⁻¹	1088 min ⁻¹
Hourly and specific consumption		45,15 l/h	252 g/kWh
Hourly and specific urea consumption		2,88 l/h	20,8 g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	161,5 kW	1930 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		46,21 l/h	239 g/kWh
Hourly and specific urea consumption		3,18 l/h	21,3 g/kWh-

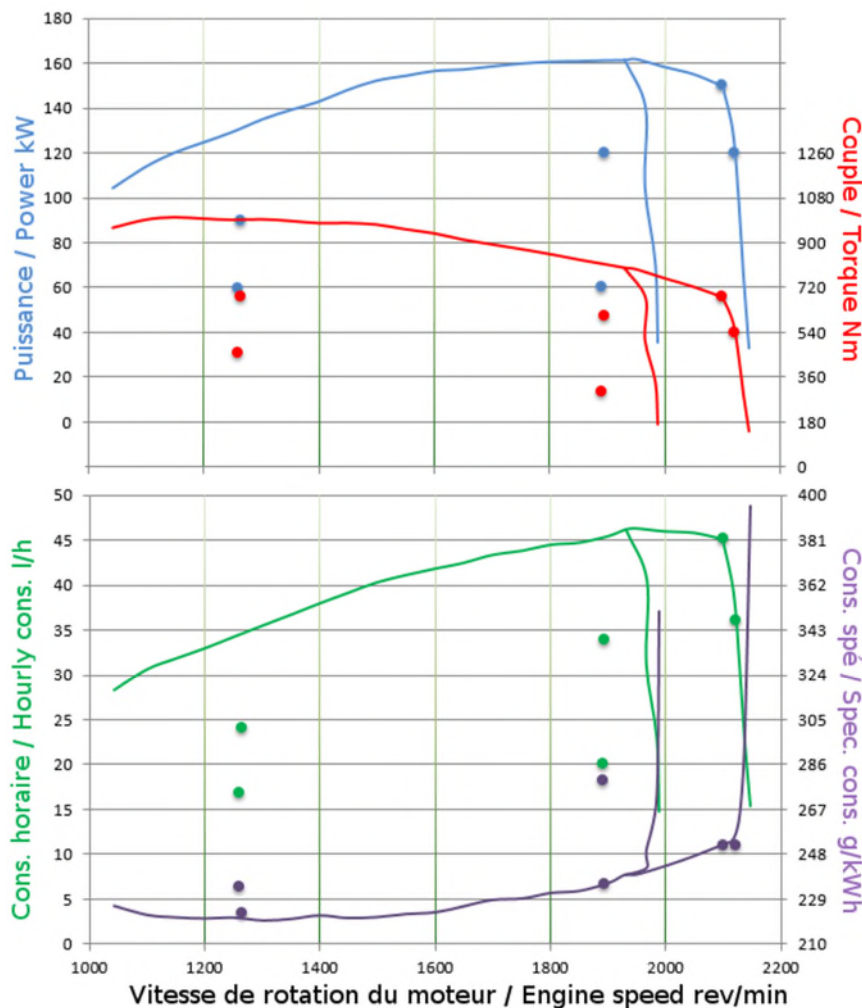
Torque rise

46,5 %

Maximum torque, Engine speed corresponding

999,6 Nm

1150 min⁻¹



PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not Applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Closed centre

Relief valve pressure setting (tolerance):

20 (+0,5 / -1,5) MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	102,1 l/min	13,4 MPa	22,8 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	146,3 l/min	12,6 MPa	30,6 kW

POWER LIFT

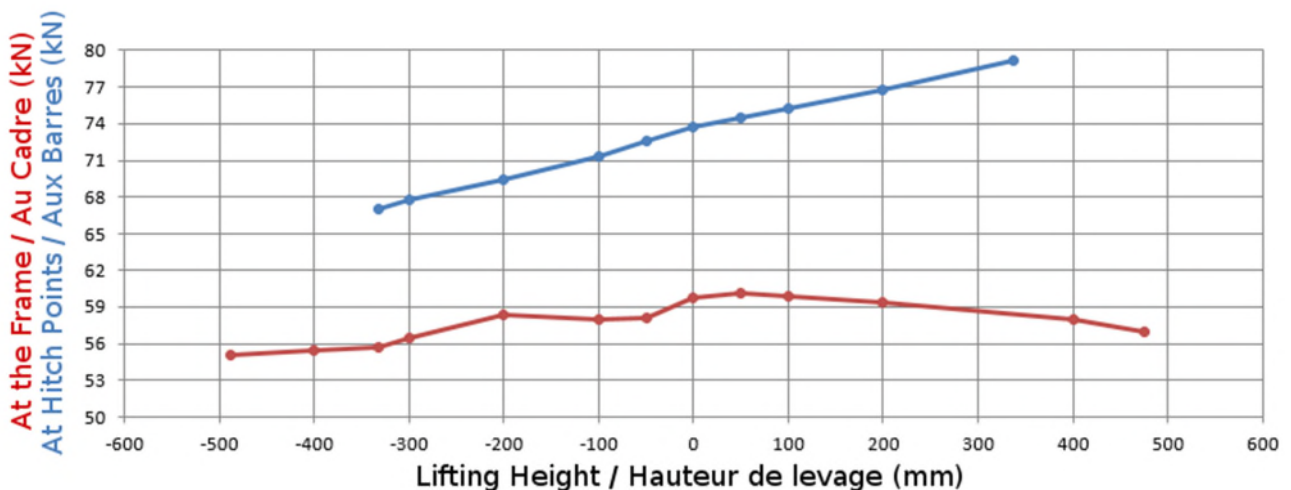
Maximum lifting force

at the hitch points

67,0 kN

at the frame

55,1 kN

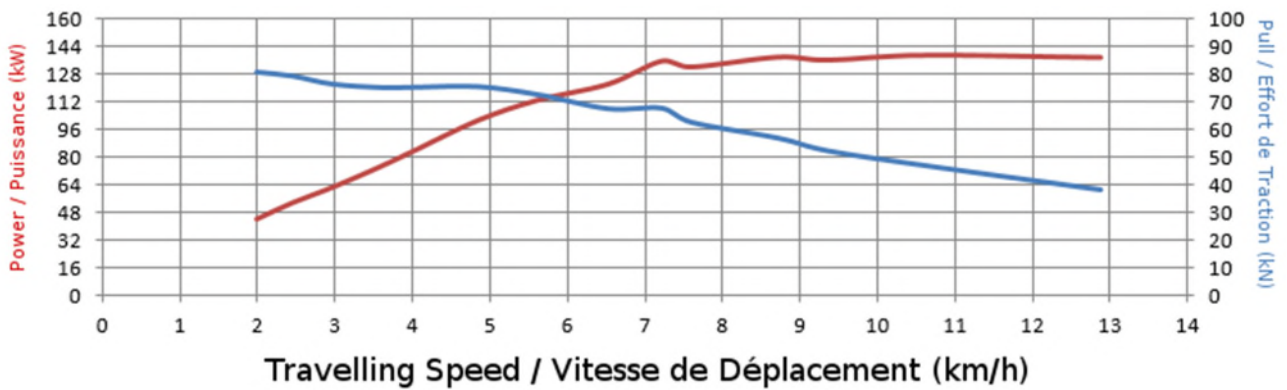


DRAWBAR TEST

Front tyres, Rear tyres	600/70 R28	650/85 R38
Inflation pressure	110 kPa	98 kPa

UNBALLASTED

Total Mass	9000 kg
Maximum drawbar pull	80,6 kN
at speed of	1,98 km/h
Maximum power	139,0 kW
at speed of	10,60 km/h



BALLASTED

Not Applicable