

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 907</b>
<b>OECD Approval Date</b>	<b>21/09/2015</b>
<b>Make</b>	<b>Massey Ferguson</b>
<b>Model</b>	<b>8730 DynaVT</b>
<b>Type</b>	<b>4WD</b>
<b>Transmission</b>	<b>Dyna VT</b>
<b>Speed</b>	<b>40 km/h</b>
<b>Manufacturer</b>	<b>AGCO S.A.S.</b>
<b>Testing Station</b>	<b>IRSTEA – France</b>



## SPECIFICATIONS

### ENGINE

<i>Make</i>	AGCO POWER Inc
<i>Model</i>	84AWF 1019
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	8419 cm <sup>3</sup>
<i>Cooling</i>	Liquid

### TRANSMISSION

<i>Gear box</i>	Dyna VT
<i>Number of forward and reverse speeds</i>	-
<i>Speed at rated engine speed</i>	from 0,0 to 40,0 km/h

### POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>	719 min <sup>-1</sup>	1066 min <sup>-1</sup>
<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	195,0 kW	1948 min <sup>-1</sup>	989 min <sup>-1</sup>
Hourly and specific consumption		54,11 l/h	232 g/kWh
Hourly and specific urea consumption		2,91 l/h	16,20 g/kWh-

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	174,1 kW	2099 min <sup>-1</sup>	1064 min <sup>-1</sup>
Hourly and specific consumption		50,64 l/h	243 g/kWh
Hourly and specific urea consumption		3,31 l/h	20,59 g/kWh-

### Test at standard Power take-off speed

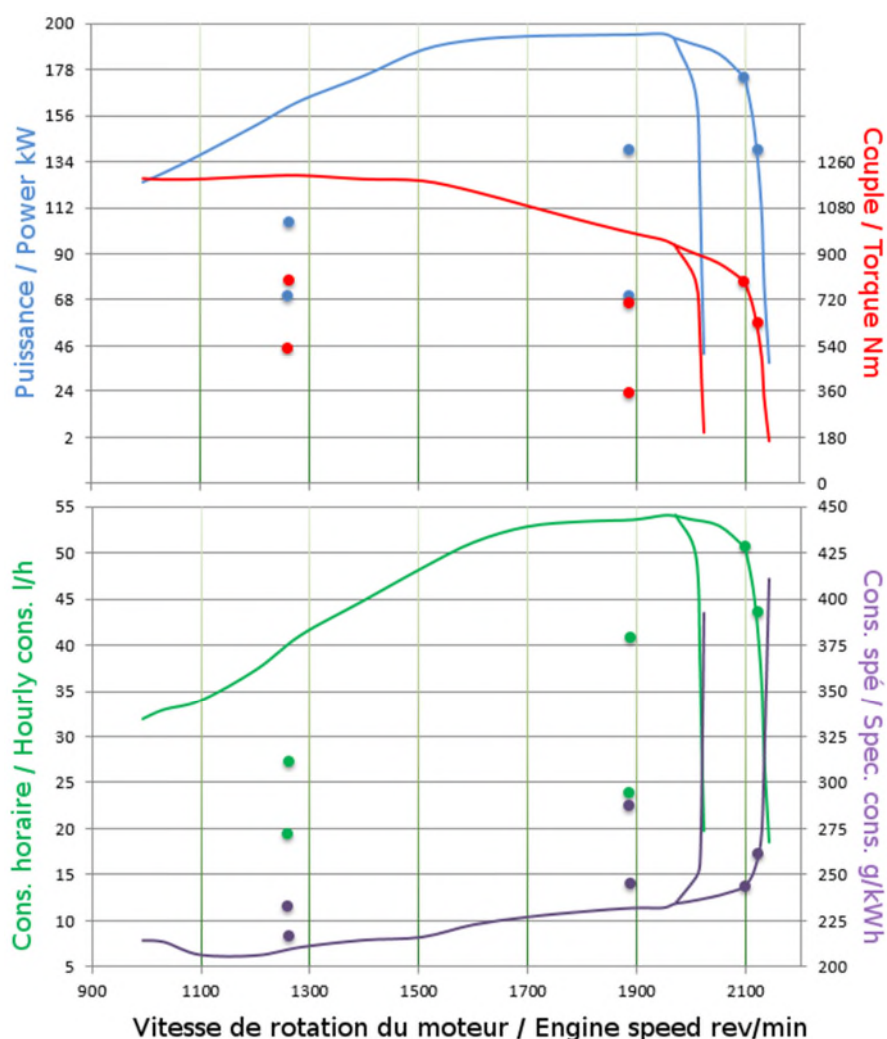
Power, Engine and Power take-off speed	192,9 kW	1970 min <sup>-1</sup>	999 min <sup>-1</sup>
Hourly and specific consumption		54,07 l/h	234 g/kWh
Hourly and specific urea consumption		3,44 l/h	19,31 g/kWh-

### Torque rise

52,5 %

### Maximum torque, Engine speed corresponding

1207,9 Nm

1284 min<sup>-1</sup>

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 PARTICULATE FILTER ACTIVE REGENERATION FUEL USE
 

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*Not Applicable*

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 HYDRAULIC PERFORMANCE AND POWER LIFT TEST
 

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Hydraulic system

Closed centre

Relief valve pressure setting (tolerance):

21 ± 1,5 MPa

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 HYDRAULIC PERFORMANCES
 

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At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	127,9 l/min	15,6 MPa	33,2 kW
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Flow rate, Pressure, Power (couplers: 2 pairs or +)	179,2 l/min	16,8 MPa	50,2 kW
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 POWER LIFT
 

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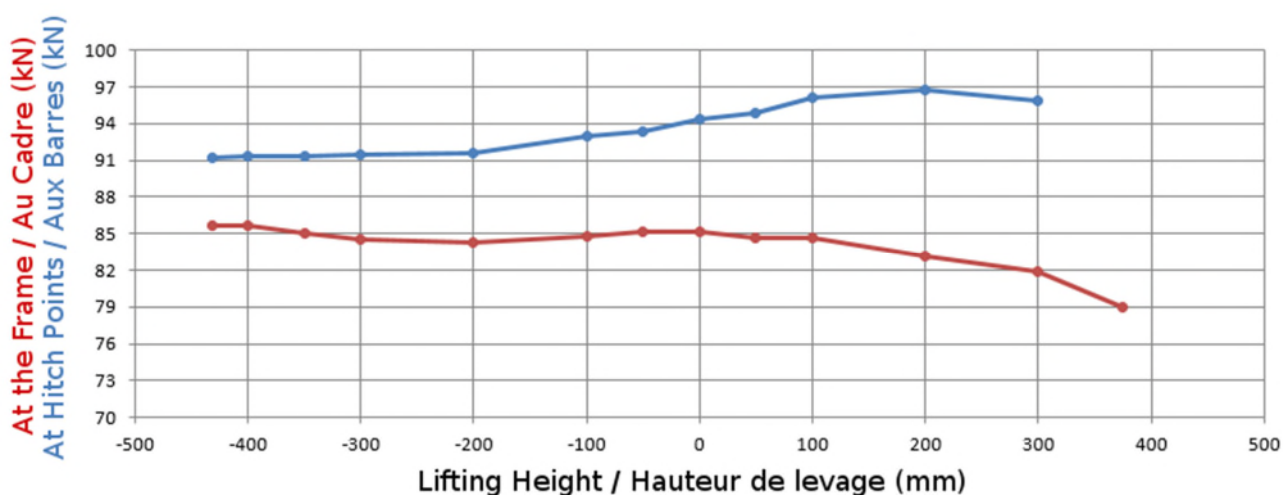
Maximum lifting force

at the hitch points

91,2 kN

at the frame

79,0 kN

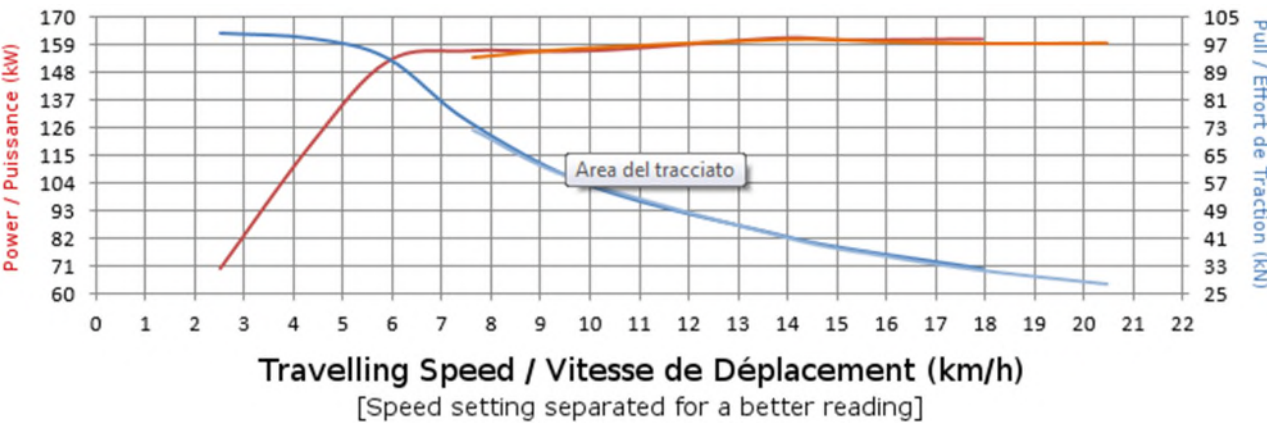


DRAWBAR TEST

Front tyres, Rear tyres	600/65 R34	710/75 R42
Inflation pressure	130 kPa	80 kPa

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Total Mass	11190 kg
Maximum drawbar pull	100,5 kN
at speed of	2,50 km/h
Maximum power	162,0 kW
at speed of	13,82 km/h



BALLASTED

Not Applicable