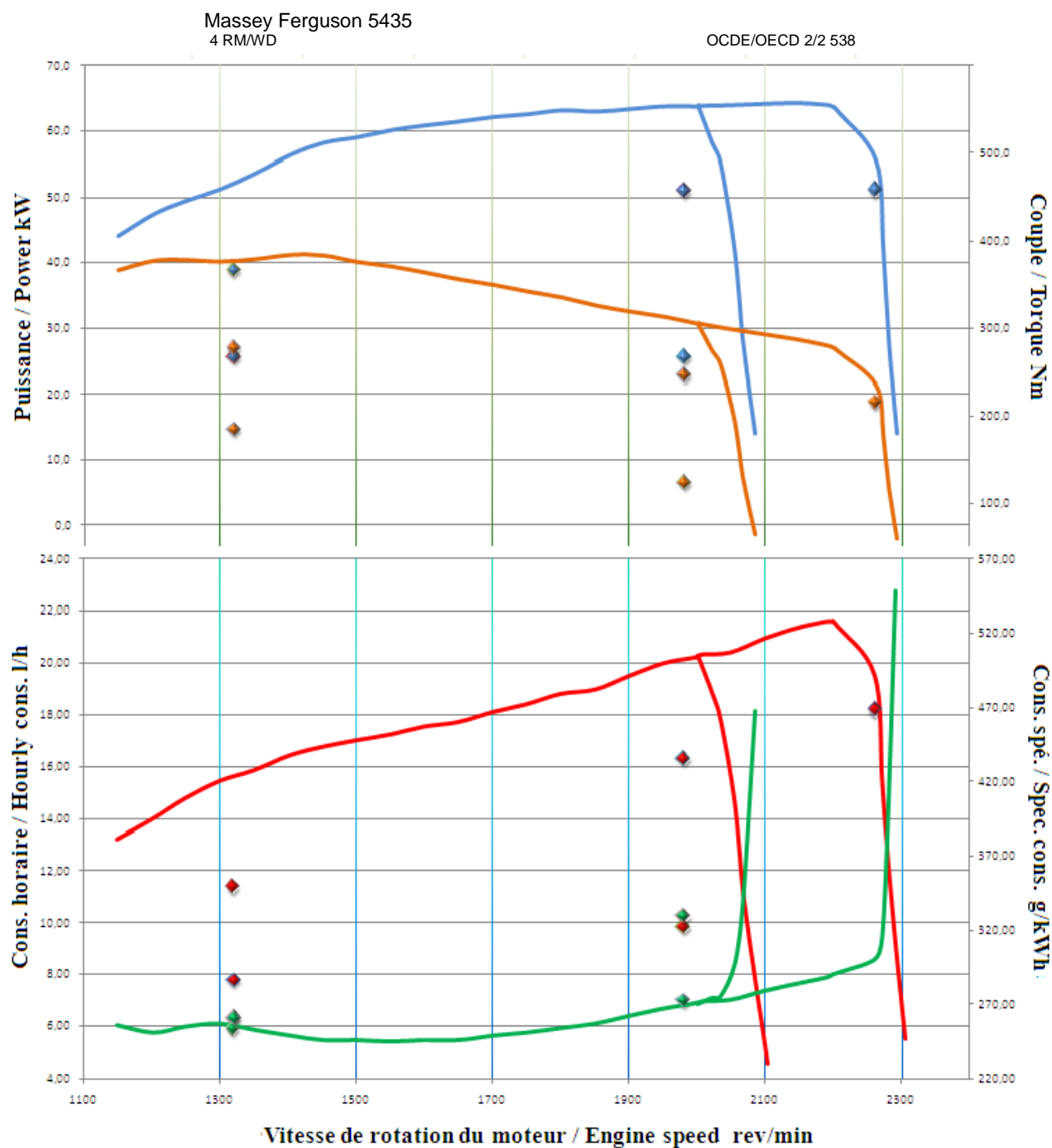




OECD approval number 2/2 538
OECD approval date 09/02/2010
Make Massey Ferguson
Model 5435
Type 4 WD
 D22D22GE122A – mechanical - 40 km/h
Manufacturer: AGCO S.A.
Testing station: CEMAGREF, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1104D-44TA (3499/2200)
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4400 cm ³	Liquid
<i>Gear box</i>		mechanical
<i>Number of forward and reverse speeds</i>		16
<i>Speed at rated engine speed</i>		from 2,11 to 43,36 km/h
<u>Standard Power take-off speed</u>		540 min^{-1} 1000 min^{-1}
<i>Power take-off speed at rated engine speed</i>		601 min^{-1} 1100 min^{-1}
<i>Diameter of the shaft</i>		34,9 mm 34,9 mm
<i>Number of splines</i>		6 21

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	64,3 kW	2150 min^{-1}	1075 min^{-1}
<i>Hourly and specific consumption</i>		21,40 l/h	284 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	63,6 kW	2200 min^{-1}	1100 min^{-1}
<i>Hourly and specific consumption</i>		21,63 l/h	290 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	64,0 kW	2000 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		20,23 l/h	270 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		384,4 Nm	1403 min^{-1}
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Drawbar Test

<i>Front tyres, Rear tyres</i>		14.9 R 28	18.4 R 38
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		4420 kg	
<i>Maximum drawbar pull</i>		39,4 kN	Not
<i>at speed of</i>		2,89 km/h	required
<i>Maximum power</i>		55,2 kW	
<i>at speed of</i>		9,24 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			open
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	54,8 l/min	17,1 MPa	15,6 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	54,8 l/min	16,7 MPa	15,3 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		37,6 kN	49,7 kN