



OECD approval number

2/2 216

OECD approval date

Restricted Code

26/01/2005

Make

Massey Ferguson

Model

461

Type

4 WD

40 km/h

Manufacturer

Uzel Makina San. A.S.

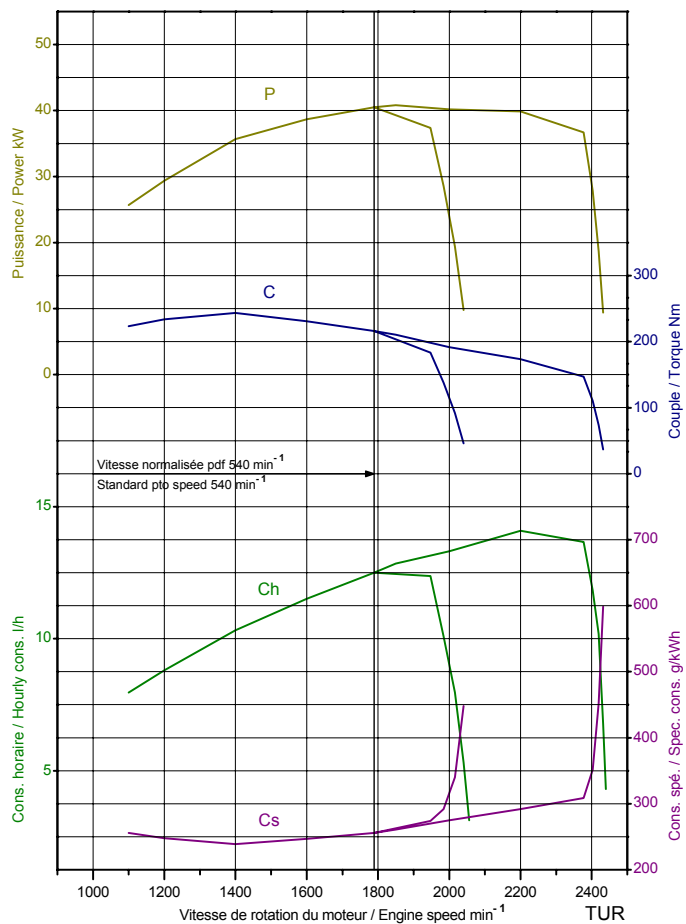
Testing station:

TAMTEST, Ankara, Turkey

Massey Ferguson 461

4 RM/WD

OCDE/OECD 2/2216



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1103C-33T
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	3300 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		8
<i>Speed at rated engine speed</i>		from 2.78 to 34.38 km/h
<u>Standard Power take-off speed</u>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		664 min ⁻¹ None
<i>Diameter of the shaft</i>		34.9 mm
<i>Number of splines</i>		6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	40.8 kW	1850 min ⁻¹	558 min ⁻¹
<i>Hourly and specific consumption</i>		12.85 l/h	261 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	39.9 kW	2200 min ⁻¹	664 min ⁻¹
<i>Hourly and specific consumption</i>		14.09 l/h	292 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	40.5 kW	1789 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		12.50 l/h	256 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		243.9 Nm	1400 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	300/70 R 20	14.9 - 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2425 kg	
<i>Maximum drawbar pull</i>	22.5 kN	Not
<i>at speed of</i>	5.05 km/h	required
<i>Maximum power</i>	35.5 kW	in
<i>at speed of</i>	8.90 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	35.0 l/min	15.0 MPa	8.8 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		15.6 kN	11.8 kN

