



OECD approval number

2/2 215

OECD approval date

Restricted Code

26/01/2005

Make

Massey Ferguson

Model

461

Type

2 WD

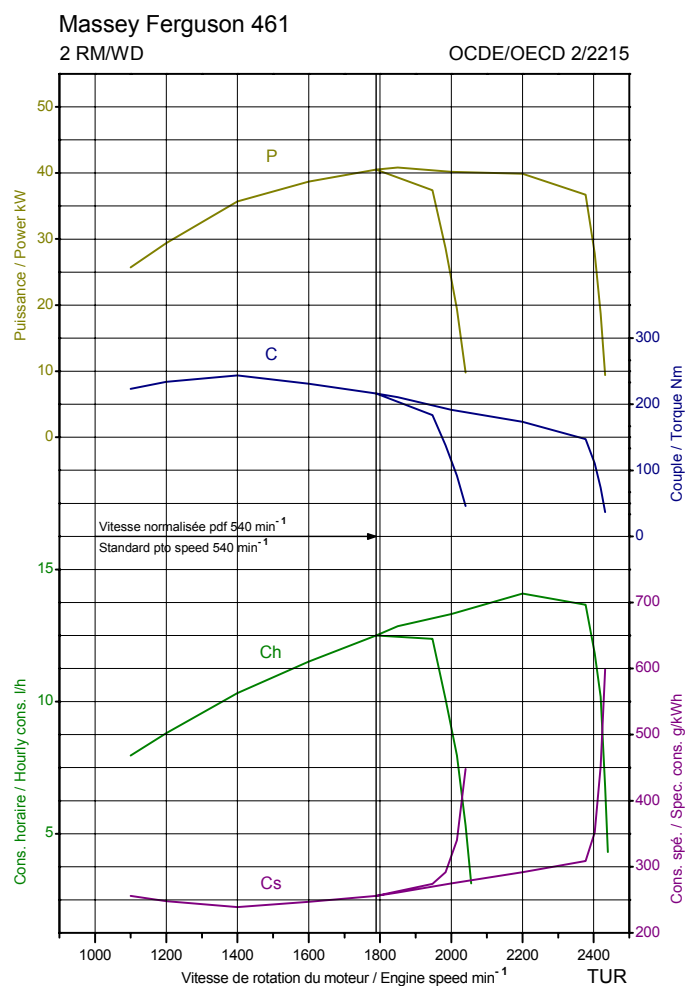
40 km/h

Manufacturer

Uzel Makina San. A.S.

Testing station:

TAMTEST, Ankara, Turkey



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

		40.6 %
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Maximum torque, Engine speed corresponding

	243.9 Nm	1400 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

	9.5 L - 15	14.9 - 28
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Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	2265 kg	
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Maximum drawbar pull

	16.5 kN	Not
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at speed of

	7.28 km/h	required
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Maximum power

	35.0 kW	in
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at speed of

	8.46 km/h	Code 2
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	35.0 l/min	15.0 MPa	8.8 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		15.6 kN	11.8 kN
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