



OECD approval number

2/2 042

Restricted Code

OECD approval date

05/02/2003

Make

John Deere

Model

9520T

Type

Rubber tracklaying tractor

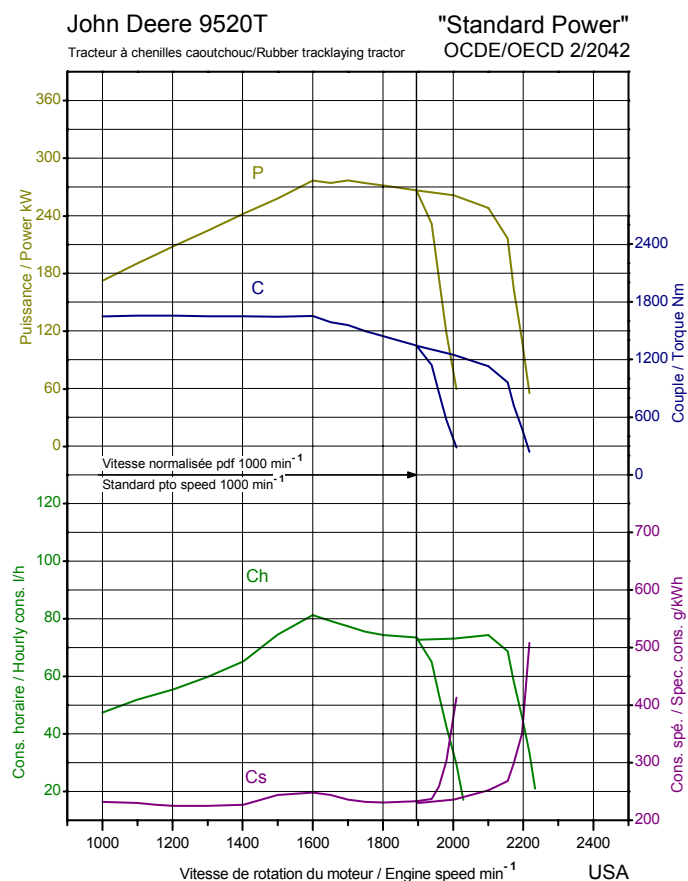
Powershift

Manufacturer

John Deere Tractor Works

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



**Engine, Transmission, Power take-off Specifications**

|                                                   |                       |                                                          |
|---------------------------------------------------|-----------------------|----------------------------------------------------------|
| <i>Make, Model</i>                                | John Deere            | 6125HRW15                                                |
| <i>Type, Supercharging</i>                        | Direct injection      | Yes                                                      |
| <i>Cylinders, Disposition</i>                     | 6                     | vertical in line                                         |
| <i>Capacity, Cooling</i>                          | 12536 cm <sup>3</sup> | Liquid                                                   |
| <i>Gear box</i>                                   |                       | Mechanical powershift                                    |
| <i>Number of forward and reverse speeds</i>       |                       | 18 6                                                     |
| <i>Speed at rated engine speed</i>                |                       | from 3.42 to 34.01 km/h                                  |
| <u>Standard Power take-off speed</u>              |                       | <u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> |                       | 1108 min <sup>-1</sup>                                   |
| <i>Diameter of the shaft</i>                      |                       | 44.5 mm                                                  |
| <i>Number of splines</i>                          |                       | 20                                                       |

**Power take-off Test**Two hours test at maximum power

|                                               |          |                        |                       |
|-----------------------------------------------|----------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 277.1 kW | 1700 min <sup>-1</sup> | 897 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 77.36 l/h              | 236 g/kWh             |

Test at maximum power at rated engine speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 248.3 kW | 2100 min <sup>-1</sup> | 1108 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 74.29 l/h              | 252 g/kWh              |

Test at standard Power take-off speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 266.5 kW | 1895 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 73.48 l/h              | 233 g/kWh              |

Torque rise

|  |  |        |  |
|--|--|--------|--|
|  |  | 46.7 % |  |
|--|--|--------|--|

Maximum torque, Engine speed corresponding

|           |                        |
|-----------|------------------------|
| 1656.0 Nm | 1100 min <sup>-1</sup> |
|-----------|------------------------|

**Drawbar Test***Track length and track width*

|         |        |
|---------|--------|
| 9601 mm | 915 mm |
|---------|--------|

Test with tractor

|                    |                  |
|--------------------|------------------|
| <u>unballasted</u> | <u>ballasted</u> |
|--------------------|------------------|

*Total Mass*

|          |          |
|----------|----------|
| 19695 kg | 22604 kg |
|----------|----------|

*Maximum drawbar pull*

|          |          |
|----------|----------|
| 191.5 kN | 226.1 kN |
|----------|----------|

*at speed of*

|           |           |
|-----------|-----------|
| 3.12 km/h | 3.04 km/h |
|-----------|-----------|

*Maximum power*

|          |          |
|----------|----------|
| 301.1 kW | 304.1 kW |
|----------|----------|

*at speed of*

|           |           |
|-----------|-----------|
| 9.08 km/h | 8.21 km/h |
|-----------|-----------|

**Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

At maximum hydraulic power

|                                   |             |          |         |
|-----------------------------------|-------------|----------|---------|
| <i>Flow rate, Pressure, Power</i> | 191.5 l/min | 15.5 MPa | 49.5 kW |
|-----------------------------------|-------------|----------|---------|

Maximum lifting force

|                                  |  |         |         |
|----------------------------------|--|---------|---------|
| <i>at hitch points, at frame</i> |  | 62.5 kN | 60.5 kN |
|----------------------------------|--|---------|---------|