



**OECD approval number**

**1/1 745**

**OECD approval date**

**Full Code  
02/04/1998**

**Make**

**LG**

**Model**

**LT470D**

**Type**

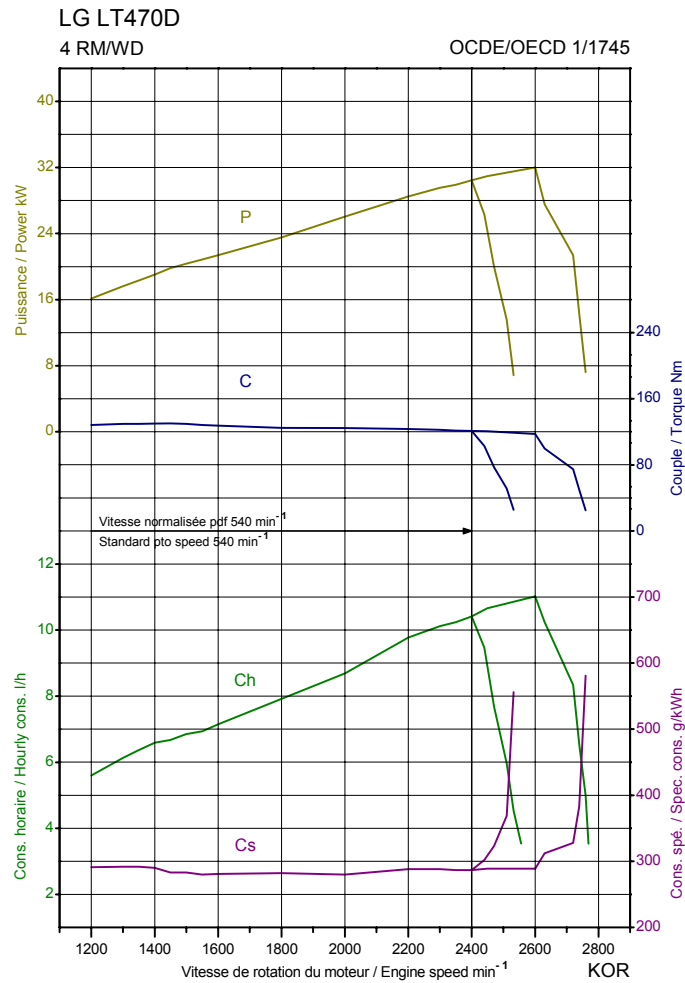
**4 WD**

**Manufacturer**

**LG Cable & Machinery Ltd.**

**Testing station:**

**NAMRI, Suwon, Korea**



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

|                                                   |                             |                              |
|---------------------------------------------------|-----------------------------|------------------------------|
| <i>Make, Model</i>                                | LG                          | S4QL24T                      |
| <i>Type, Supercharging</i>                        | Indirect injection          | None                         |
| <i>Cylinders, Disposition</i>                     | 4                           | vertical in line             |
| <i>Capacity, Cooling</i>                          | 2505 cm <sup>3</sup>        | Liquid                       |
| <i>Gear box</i>                                   |                             | Mechanical                   |
| <i>Number of forward and reverse speeds</i>       | 16                          | 16                           |
| <i>Speed at rated engine speed</i>                | from 0.22                   | to 21.21 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> | 585 min <sup>-1</sup>       | None                         |
| <i>Diameter of the shaft</i>                      | 35 mm                       |                              |
| <i>Number of splines</i>                          | 6                           |                              |

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

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 32.0 kW | 2600 min <sup>-1</sup> | 585 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 11.02 l/h              | 289 g/kWh             |

Test at maximum power at rated engine speed

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 32.0 kW | 2600 min <sup>-1</sup> | 585 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 11.02 l/h              | 289 g/kWh             |

Test at standard Power take-off speed

|                                               |         |                        |                       |
|-----------------------------------------------|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 30.4 kW | 2400 min <sup>-1</sup> | 540 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 10.42 l/h              | 287 g/kWh             |

Torque rise

|                                                   |  |          |                        |
|---------------------------------------------------|--|----------|------------------------|
| <i>Maximum torque, Engine speed corresponding</i> |  | 130.4 Nm | 1450 min <sup>-1</sup> |
|---------------------------------------------------|--|----------|------------------------|

**Drawbar Test**

|                                |                    |                  |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 9.5 - 20           | 13.6 - 28        |
| <u>Test with tractor</u>       | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i>              | 2050 kg            | 2140 kg          |
| <i>Maximum drawbar pull</i>    | 17.9 kN            | 18.2 kN          |
| <i>at speed of</i>             | 1.59 km/h          | 1.59 km/h        |
| <i>Maximum power</i>           | 29.0 kW            | 30.2 kW          |
| <i>at speed of</i>             | 6.91 km/h          | 6.93 km/h        |

**Hydraulic Performance and Power Lift Test**

|                                   |            |          |               |
|-----------------------------------|------------|----------|---------------|
| <i>Hydraulic system</i>           |            |          | Opened centre |
| <u>At maximum hydraulic power</u> |            |          |               |
| <i>Flow rate, Pressure, Power</i> | 36.4 l/min | 12.8 MPa | 7.7 kW        |
| <u>Maximum lifting force</u>      |            |          |               |
| <i>at hitch points, at frame</i>  |            | 14.3 kN  | 11.0 kN       |

