

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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|-----------------------------|----------------------------|
| <b>OECD Approval Number</b> | <b>2/2 920</b>             |
| <b>OECD Approval Date</b>   | <b>25/01/2016</b>          |
| <b>Make</b>                 | <b>TONG YANG</b>           |
| <b>Model</b>                | <b>T1054</b>               |
| <b>Type</b>                 | <b>4 WD</b>                |
| Transmission                | mechanical                 |
| Speed                       | 40 km/h                    |
| Manufacturer                | TONG YANG Moosan Co., Ltd. |
| Testing Station             | F.A.C.T. – Korea           |



## SPECIFICATIONS

### ENGINE

|                      |                      |
|----------------------|----------------------|
| <i>Make</i>          | DOOSAN INFRACORE     |
| <i>Model</i>         | DL03-LEA04           |
| <i>Type</i>          | Direct injection     |
| <i>Supercharging</i> | Yes                  |
| <i>Cylinders</i>     | 4                    |
| <i>Disposition</i>   | in line              |
| <i>Capacity</i>      | 3409 cm <sup>3</sup> |
| <i>Cooling</i>       | Liquid               |

### TRANSMISSION

|                                             |                         |
|---------------------------------------------|-------------------------|
| <i>Gear box</i>                             | Mechanical              |
| <i>Number of forward and reverse speeds</i> | 32                      |
| <i>Speed at rated engine speed</i>          | from 0,42 to 37,18 km/h |

### POWER TAKE-OFF SPECIFICATIONS

|                                                   |                             |                              |
|---------------------------------------------------|-----------------------------|------------------------------|
| <i>Standard Power take-off speed</i>              | <u>540 min<sup>-1</sup></u> | <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> | 565 min <sup>-1</sup>       | 1033 min <sup>-1</sup>       |
| <i>Diameter of the shaft</i>                      | 35 mm                       | 35 mm                        |
| <i>Number of splines</i>                          | 6                           | 6                            |

## PTO TEST RESULTS

### One hour test at maximum power

|                                        |         |                        |                        |
|----------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 68,5 kW | 2226 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| Hourly and specific consumption        |         | 21,08 l/h              | 256 g/kWh              |
| Hourly and specific urea consumption   |         | -                      | -                      |

### Test at maximum power at rated engine speed

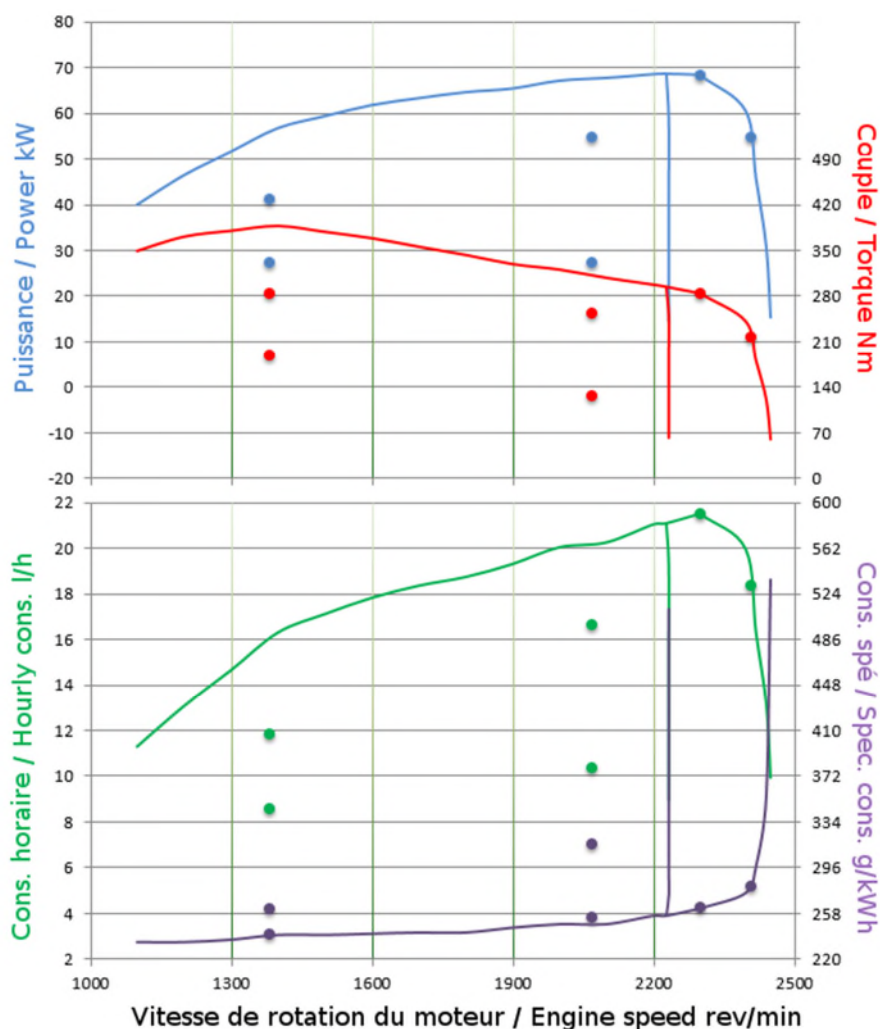
|                                        |         |                        |                        |
|----------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 68,3 kW | 2300 min <sup>-1</sup> | 1033 min <sup>-1</sup> |
| Hourly and specific consumption        |         | 21,51 l/h              | 262 g/kWh              |
| Hourly and specific urea consumption   |         | -                      | -                      |

### Test at standard Power take-off speed

|                                        |         |                        |                        |
|----------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 68,5 kW | 2226 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| Hourly and specific consumption        |         | 21,08 l/h              | 256 g/kWh              |
| Hourly and specific urea consumption   |         | -                      | -                      |

### Torque rise

|                                            |          |                        |        |
|--------------------------------------------|----------|------------------------|--------|
| Maximum torque, Engine speed corresponding | 386,6 Nm | 1400 min <sup>-1</sup> | 36,4 % |
|--------------------------------------------|----------|------------------------|--------|



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 PARTICULATE FILTER ACTIVE REGENERATION FUEL USE
 

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*Not Applicable*

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 HYDRAULIC PERFORMANCE AND POWER LIFT TEST
 

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Hydraulic system

Closed centre

Relief valve pressure setting (tolerance):

20,5 ± 0,5 MPa

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 HYDRAULIC PERFORMANCES
 

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At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

54,3 l/min

16,4 MPa

14,8 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

Not

Applicable

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 POWER LIFT
 

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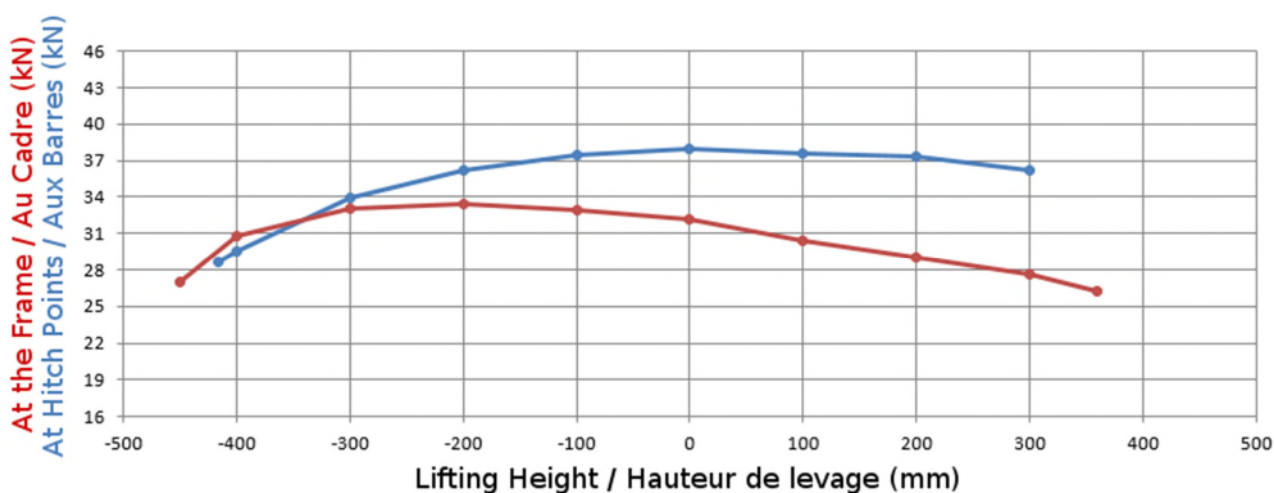
Maximum lifting force

at the hitch points

28,6 kN

at the frame

26,2 kN

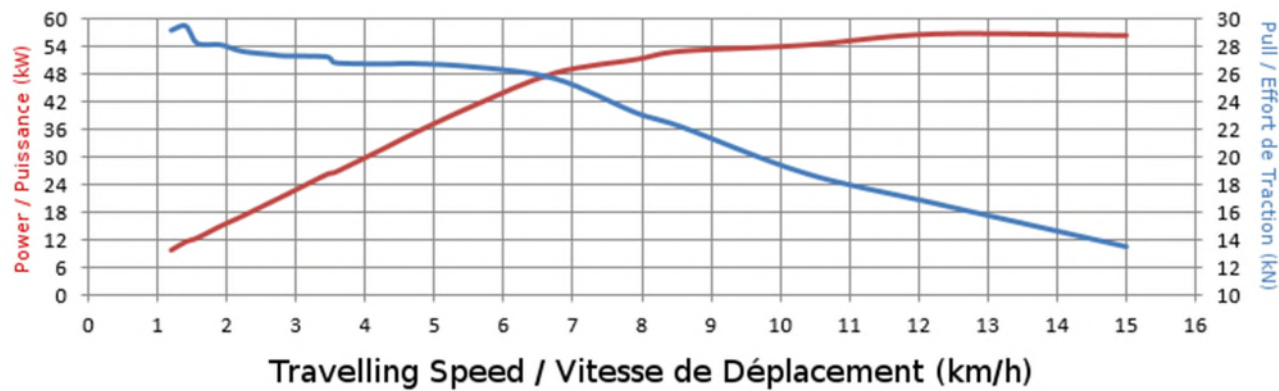


DRAWBAR TEST

|                         |         |         |
|-------------------------|---------|---------|
| Front tyres, Rear tyres | 13.6-24 | 18.4-34 |
| Inflation pressure      | 159 kPa | 159 kPa |

UNBALLASTED

|                      |            |
|----------------------|------------|
| Total Mass           | 4040 kg    |
| Maximum drawbar pull | 29,56 kN   |
| at speed of          | 1,41 km/h  |
| Maximum power        | 56,69 kW   |
| at speed of          | 12,23 km/h |



BALLASTED

Not available