

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 925</b>
<b>OECD Approval Date</b>	<b>09/02/2016</b>
<b>Make</b>	<b>LS Mtron</b>
<b>Model</b>	<b>R41</b>
<b>Type</b>	<b>4 WD</b>
Transmission	mechanical
Speed	30 km/h
Manufacturer	LS Mtron Ltd.
Testing Station	F.A.C.T. – Korea



## SPECIFICATIONS

### ENGINE

<i>Make</i>	LS Mtron
<i>Model</i>	S4QL-D
<i>Type</i>	indirect injection
<i>Supercharging</i>	No
<i>Cylinders</i>	4
<i>Disposition</i>	Vertical in line
<i>Capacity</i>	2505 cm <sup>3</sup>
<i>Cooling</i>	Liquid

### TRANSMISSION

<i>Gear box</i>	Mechanical
<i>Number of forward and reverse speeds</i>	16
<i>Speed at rated engine speed</i>	from 1,05 to 25,28 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>	585 min <sup>-1</sup>	1092 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	24,7 kW	2500 min <sup>-1</sup>	561 min <sup>-1</sup>
Hourly and specific consumption		9,46 l/h	319 g/kWh
Hourly and specific urea consumption		-	-

### Test at maximum power at rated engine speed

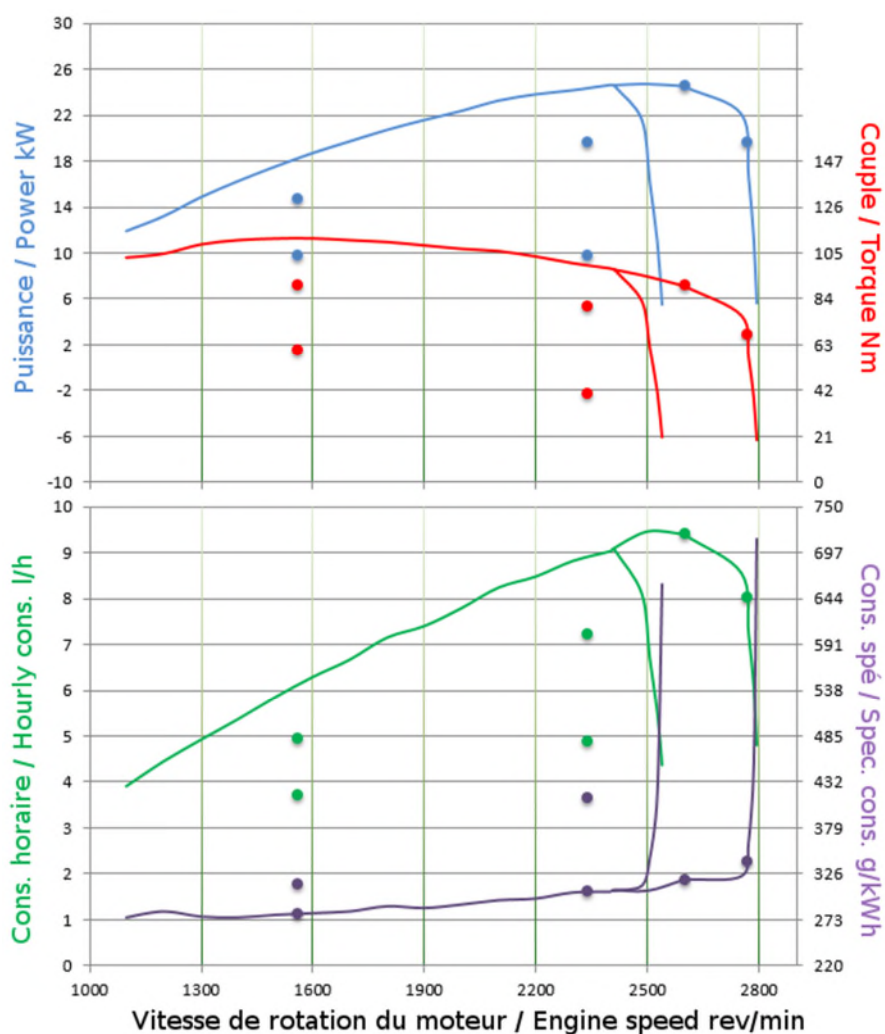
Power, Engine and Power take-off speed	24,5 kW	2600 min <sup>-1</sup>	583 min <sup>-1</sup>
Hourly and specific consumption		9,40 l/h	319 g/kWh
Hourly and specific urea consumption		-	-

### Test at standard Power take-off speed

Power, Engine and Power take-off speed	24,6 kW	2409 min <sup>-1</sup>	540 min <sup>-1</sup>
Hourly and specific consumption		9,09 l/h	307 g/kWh
Hourly and specific urea consumption		-	-

### Torque rise

		23,7 %
<u>Maximum torque, Engine speed corresponding</u>	111,4 Nm	1600 min <sup>-1</sup>



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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

Open centre

Relief valve pressure setting (tolerance):

16,0 ± 0,5 MPa

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### HYDRAULIC PERFORMANCES

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#### At maximum hydraulic power

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

28,3 l/min

12,8 MPa

6,0 kW

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

*Not*

*Applicable*

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### POWER LIFT

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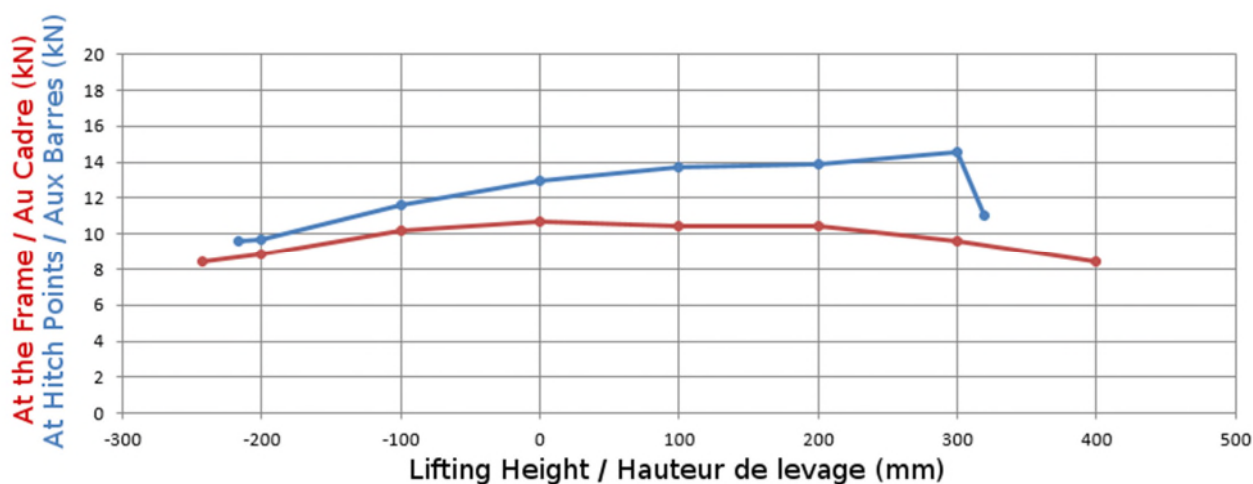
#### Maximum lifting force

at the hitch points

9,6 kN

at the frame

8,4 kN

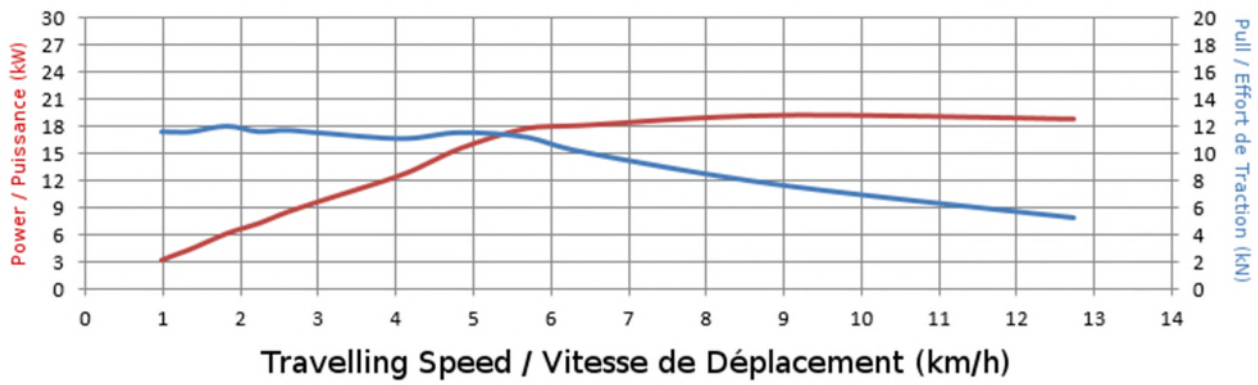


DRAWBAR TEST

Front tyres, Rear tyres	8-16	12.4-24
Inflation pressure	157 kPa	216 kPa

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Total Mass	1587 kg
Maximum drawbar pull	12,07 kN
at speed of	1,82 km/h
Maximum power	19,22 kW
at speed of	8,93 km/h



BALLASTED

Not available