

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 929</b>
<b>OECD Approval Date</b>	<b>09/02/2016</b>
<b>Make</b>	<b>LS Mtron</b>
<b>Model</b>	<b>U60C</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>	S4QT
<i>Type</i>	indirect injection
<i>Supercharging</i>	Yes
<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 1,21 to 29,25 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>	583 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	34,5 kW	2500 min <sup>-1</sup>	561 min <sup>-1</sup>
Hourly and specific consumption		12,85 l/h	310 g/kWh
Hourly and specific urea consumption		-	-

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	34,4 kW	2600 min <sup>-1</sup>	583 min <sup>-1</sup>
Hourly and specific consumption		13,57 l/h	328 g/kWh
Hourly and specific urea consumption		-	-

### Test at standard Power take-off speed

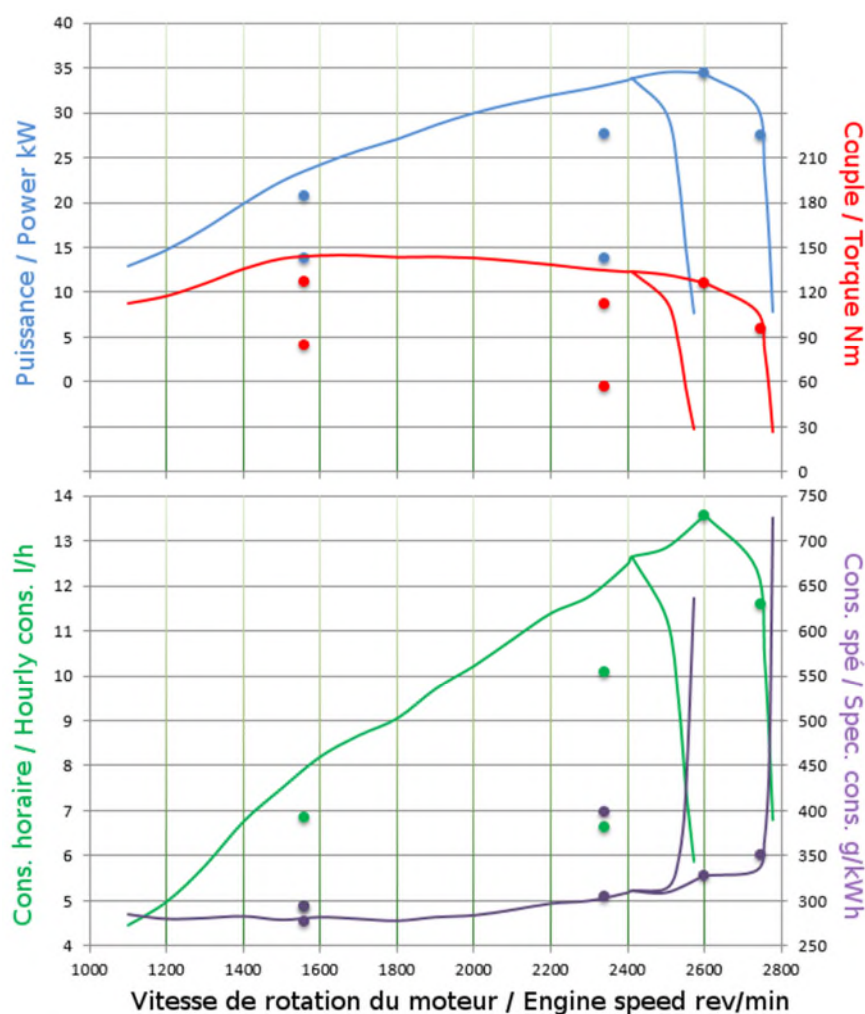
Power, Engine and Power take-off speed	33,8 kW	2409 min <sup>-1</sup>	540 min <sup>-1</sup>
Hourly and specific consumption		12,64 l/h	311 g/kWh
Hourly and specific urea consumption		-	-

### Torque rise

		14,6 %
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### Maximum torque, Engine speed corresponding

144,6 Nm

1700 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)

34,1 l/min

13,8 MPa

7,9 kW

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

Not

Applicable

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 POWER LIFT
 

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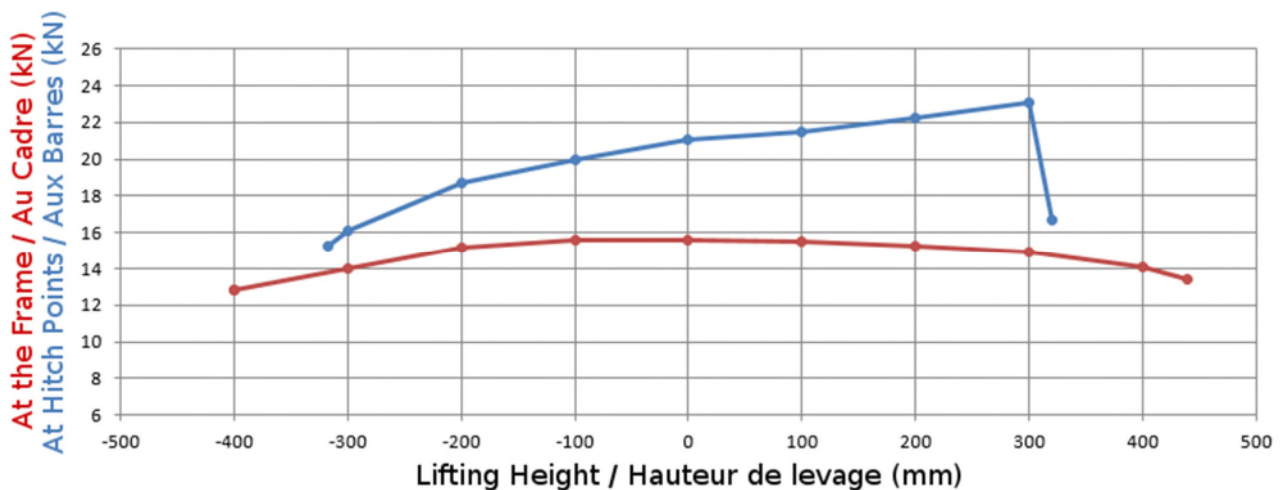
Maximum lifting force

at the hitch points

15,3 kN

at the frame

12,8 kN

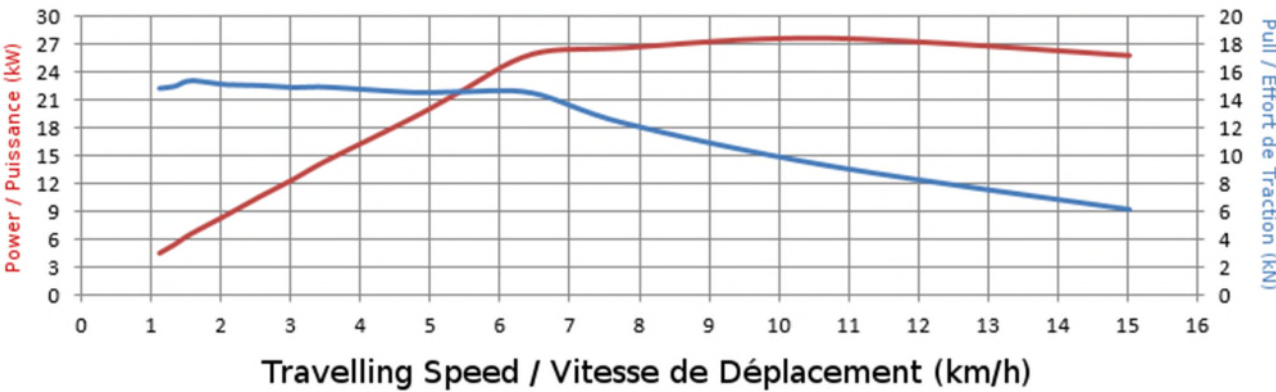


DRAWBAR TEST

Front tyres, Rear tyres	11.2-24	14.9-28
Inflation pressure	235 kPa	176,5 kPa

UNBALLASTED

Total Mass	2290 kg
Maximum drawbar pull	15,33 kN
at speed of	1,57 km/h
Maximum power	27,66 kW
at speed of	10,69 km/h



BALLASTED

Not available