

## OECD CODE 2 ABSTRACT

### AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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|-----------------------------------------------------|------------------------------|
| <b>OECD Approval number/ Numéro d'agrément OCDE</b> | <b>2/3 335</b>               |
| <b>OECD Approval Date/ Date d'agrément OCDE</b>     | <b>12/01/2023</b>            |
| <b>Make/ Marque</b>                                 | <b>New Holland</b>           |
| <b>Model/ Modèle</b>                                | <b>T5.100 (LYAA4AL)</b>      |
| <b>Type/ Type</b>                                   | <b>4WD</b>                   |
| Transmission/ Transmission                          | Mechanical / Mécanique       |
| Speed/ Vitesse d'avancement maximale                | 40 km/h                      |
| Manufacturer/ Constructeur                          | CNH INDUSTRIAL ITALIA S.p.A. |
| Testing station/ Station d'essai                    | Distal - Italy               |



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## SPECIFICATION

### ENGINE/ MOTEUR

|                                       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| <i>Make/ Marque</i>                   | FPT Industrial                                                                      |
| <i>Model/ Modèle</i>                  | F5LGL413D                                                                           |
| <i>Type/ Type</i>                     | 4 stroke diesel engine, direct injection / Moteur diesel 4 temps, injection directe |
| <i>Supercharging/ Suralimentation</i> | Yes / Oui                                                                           |
| <i>Cylinders/ Cylindres</i>           | 4                                                                                   |
| <i>Disposition/ Disposition</i>       | Vertical in-line / Verticale en-ligne                                               |
| <i>Capacity/ Cylindrée</i>            | 3595 cm <sup>3</sup>                                                                |
| <i>Cooling/ Refroidissement</i>       | Water anti-freeze mixture / Mélange d'eau antigel                                   |

### TRANSMISSION/ TRANSMISSION

|                                                                                |                         |
|--------------------------------------------------------------------------------|-------------------------|
| <i>Gear box/ Boite de vitesses</i>                                             | Mechanical / Mecanique  |
| <i>Number of forward and reverse speeds/ Nombre de vitesses Avant, Arrière</i> | 16 16                   |
| <i>Speed at rated engine speed/ Vitesse d'avancement au régime nominal</i>     | from 2.57 to 39.13 km/h |

### POWER TAKE-OFF SPECIFICATION/ PRISE DE FORCE SPECIFICATION

|                                                                                      |                              |
|--------------------------------------------------------------------------------------|------------------------------|
| <i>Standard Power take-off speed/<br/>Régime normalisé de la prise de force</i>      | <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off at rated engine speed/<br/>Vitesse au régime nominal du moteur</i> | 1143 min <sup>-1</sup>       |
| <i>Diameter of the shaft/ Diamètre de l'arbre</i>                                    | 35 mm                        |
| <i>Number of splines/ Nombre de cannelures</i>                                       | 21                           |

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## PTO TEST RESULTS/ RESULTATS DES ESSAIS A LA PRISE DE FORCE

### One hour test at maximum power/ Essai d'une heure à la puissance maximale

|                                                                                               |         |                        |                       |
|-----------------------------------------------------------------------------------------------|---------|------------------------|-----------------------|
| Power, Engine and Power take-off speed/<br>Puissance: Régime moteur et prise de force         | 63.6 kW | 1607 min <sup>-1</sup> | 837 min <sup>-1</sup> |
| Hourly and specific fuel consumption/<br>Carburant: Consommation horaire, Spécifique          |         | 17.99 l/h              | 233.5 g/kWh           |
| Hourly and specific reagent consumption/<br>Agent réducteur: Consommation horaire, Spécifique |         | 0.59 l/h               | 11 g/kWh              |

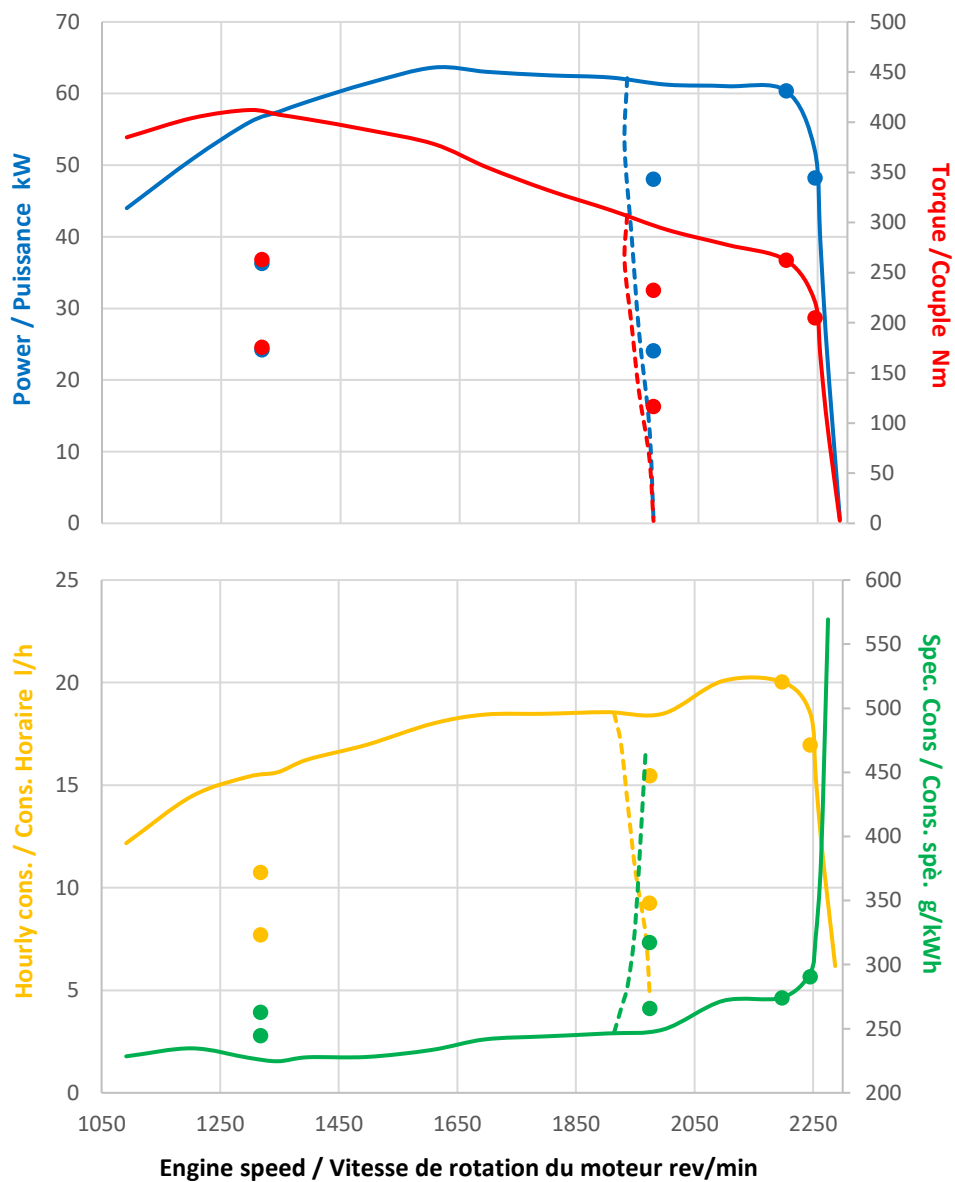
### Test at maximum power at rated engine speed/ Essai à la puissance maximale au régime nominal du moteur

|                                                                                               |         |                        |                        |
|-----------------------------------------------------------------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed/<br>Puissance: Régime moteur et prise de force         | 60.4 kW | 2197 min <sup>-1</sup> | 1142 min <sup>-1</sup> |
| Hourly and specific fuel consumption/<br>Carburant: Consommation horaire, Spécifique          |         | 20.04 l/h              | 274.2 g/kWh            |
| Hourly and specific reagent consumption/<br>Agent réducteur: Consommation horaire, Spécifique |         | 0.62 l/h               | 12 g/kWh               |

### Test at standard Power take-off speed/ Essai au régime normalisé de la prise de force

|                                                                                               |         |                        |                        |
|-----------------------------------------------------------------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed/<br>Puissance: Régime moteur et prise de force         | 62.2 kW | 1931 min <sup>-1</sup> | 1004 min <sup>-1</sup> |
| Hourly and specific fuel consumption/<br>Carburant: Consommation horaire, Spécifique          |         | 20.05 l/h              | 266.5 g/kWh            |
| Hourly and specific reagent consumption/<br>Agent réducteur: Consommation horaire, Spécifique |         | 0.50 l/h               | 9 g/kWh                |

|                                                                                             |          |                        |  |
|---------------------------------------------------------------------------------------------|----------|------------------------|--|
| <u>Maximum torque, Engine speed corresponding/<br/>Couple maximum, Régime correspondant</u> | 412.1 Nm | 1300 min <sup>-1</sup> |  |
|---------------------------------------------------------------------------------------------|----------|------------------------|--|



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## HYDRAULIC PERFORMANCE AND POWER LIFT TEST/ ESSAIS DE LA PUISSANCE HYDRAULIQUE ET DE LA FORCE DE RELEVAGE

Hydraulic system/ Système hydraulique

Open centre / Centre ouvert

Relief valve pressure setting (tolerance)/

19.0 + 2.0 MPa

Pression de réglage du clapet de décharge

### HYDRAULIC PERFORMANCES/ PERFORMANCES HYDRAULIQUES

At maximum hydraulic power/ A puissance hydraulique maximale

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

67.47 l/min

20.73 MPa

18.44 kW

Débit, Pression, Puissance (distrib.: 1 pair)

### POWER LIFT/ LEVAGE

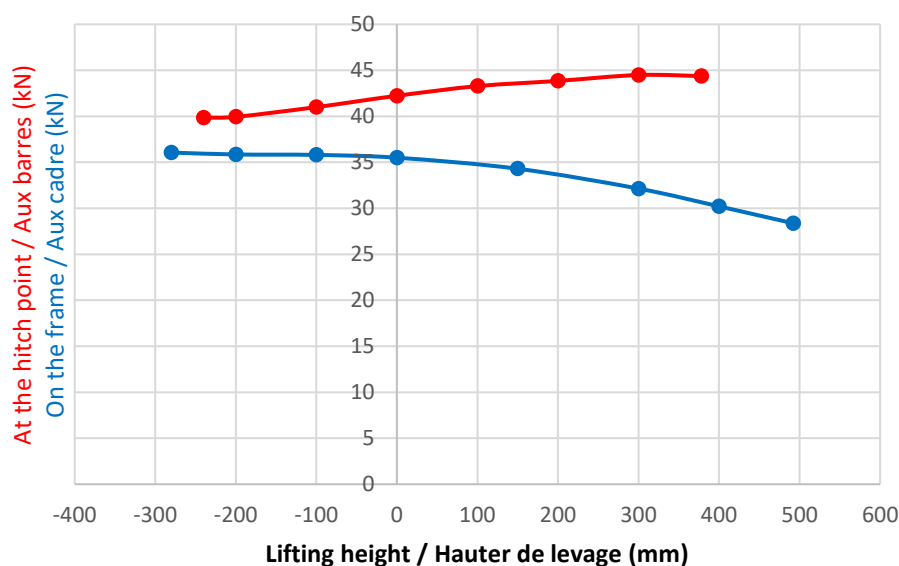
Maximum corrected force exerted through full range/Force maximale corrigée exercée durant la course complète

At the hitch point/ aux bras inférieurs

39.85 kN

On the frame/ au cadre

28.37 kN



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**DRAWBAR TEST/ ESSAIS DE TRACTION SUR PISTE**

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|                                                      |          |          |
|------------------------------------------------------|----------|----------|
| Front tyres, Rear tyres/ Pneumatiques avant, arrière | 14.9 R24 | 18.4 R34 |
| Inflation pressure/ Pression de gonflage             | 210 kPa  | 210 kPa  |

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**UNBALLASTED/ NON ALOURDI**

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|                                                  |           |
|--------------------------------------------------|-----------|
| Total mass/ Masse totale                         | 4765 kg   |
| Maximum drawbar pull/ Effort maximal de traction | 38.63 kN  |
| at speed of/ à la vitesse de                     | 2.35 km/h |
| Maximum power/ Puissance maximale de traction    | 54.92 kW  |
| at speed of/ à la vitesse de                     | 9.02 km/h |

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