

# NEBRASKA OECD TRACTOR TEST 1842 - SUMMARY 446

## AGCO RT135 POWERMAXX DIESEL CONTINUOUSLY VARIABLE TRANSMISSION

### POWER TAKE-OFF PERFORMANCE

| Power<br>HP<br>(kW)                               | Crank<br>shaft<br>speed<br>rpm | Gal/hr<br>(l/h) | lb/hp.hr<br>(kg/kW.h) | Hp.hr/gal<br>(kW.h/l) | Mean Atmospheric<br>Conditions |
|---|--------------------------------|-----------------|-----------------------|-----------------------|--------------------------------|
| <b>MAXIMUM POWER AND FUEL CONSUMPTION</b>         |                                |                 |                       |                       |                                |
| <b>Rated Engine Speed—(PTO speed—1082 rpm)</b>    |                                |                 |                       |                       |                                |
| 137.72<br>(102.69)                                | 2200                           | 9.45<br>(35.76) | 0.481<br>(0.293)      | 14.58<br>(2.87)       |                                |
| <b>Standard Power Take-off Speed (1000 rpm)</b>   |                                |                 |                       |                       |                                |
| 142.03<br>(105.91)                                | 2033                           | 9.17<br>(34.72) | 0.453<br>(0.275)      | 15.48<br>(3.05)       |                                |
| <b>Maximum Power (2 Hours)</b>                    |                                |                 |                       |                       |                                |
| 143.94<br>(107.34)                                | 1800                           | 8.62<br>(32.62) | 0.420<br>(0.255)      | 16.70<br>(3.29)       |                                |
| <b>VARYING POWER AND FUEL CONSUMPTION</b>         |                                |                 |                       |                       |                                |
| 137.72<br>(102.69)                                | 2200                           | 9.44<br>(35.73) | 0.481<br>(0.293)      | 14.58<br>(2.87)       | Air temperature                |
| 123.18<br>(91.85)                                 | 2315                           | 9.03<br>(34.18) | 0.514<br>(0.313)      | 13.64<br>(2.69)       | 76°F (24°C)                    |
| 92.65<br>(69.09)                                  | 2327                           | 7.57<br>(28.67) | 0.573<br>(0.349)      | 12.23<br>(2.41)       | Relative humidity              |
| 62.78<br>(46.82)                                  | 2352                           | 6.12<br>(23.16) | 0.683<br>(0.416)      | 10.26<br>(2.02)       | 66%                            |
| 31.80<br>(23.71)                                  | 2383                           | 4.54<br>(17.17) | 1.000<br>(0.608)      | 7.01<br>(1.38)        | Barometer                      |
| 1.19<br>(0.89)                                    | 2430                           | 3.04<br>(11.50) | 17.831<br>(10.846)    | 0.39<br>(0.08)        | 29.02" Hg (98.27 kPa)          |
| Maximum Torque - 531 lb.-ft. (719 Nm) at 1149 rpm |                                |                 |                       |                       |                                |
| Maximum Torque Rise - 61.2%                       |                                |                 |                       |                       |                                |
| Torque rise at 1749 engine rpm - 32%              |                                |                 |                       |                       |                                |

### DRAWBAR PERFORMANCE

#### UNBALLASTED - FRONT DRIVE ENGAGED FUEL CONSUMPTION CHARACTERISTICS

| Power<br>Hp<br>(kW)  | Drawbar<br>pull<br>lbs<br>(kN) | Speed<br>mph<br>(km/h) | Crank-<br>shaft<br>speed<br>rpm | Slip<br>% | Fuel Consumption<br>lb/hp.hr<br>(kg/kW.h) | Hp.hr/gal<br>(kW.h/l) | Temp. °F (°C)<br>cool-<br>ing<br>med | Air<br>dry<br>bulb | Barom.<br>inch<br>Hg<br>(kPa) |
|--|--------------------------------|------------------------|---------------------------------|-----------|---|-----------------------|--------------------------------------|--------------------|-------------------------------|
| <b>Maximum Power—5.6 mph (9.0 km/h)</b>                        |                                |                        |                                 |           |   |                       |                                      |                    |                               |
| 108.36<br>(80.80)  | 7261<br>(32.30)                | 5.60<br>(9.01)         | 2193                            | 5.15      | 0.614<br>(0.374)                          | 11.41<br>(2.25)       | 185<br>(85)                          | 62<br>(17)         | 28.95<br>(98.04)              |
| <b>75% of Pull at Maximum Power—5.6 mph (9.0 km/h)</b>         |                                |                        |                                 |           |   |                       |                                      |                    |                               |
| 87.07<br>(64.93)   | 5443<br>(24.21)                | 6.00<br>(9.65)         | 2312                            | 3.92      | 0.688<br>(0.418)                          | 10.19<br>(2.01)       | 184<br>(84)                          | 62<br>(17)         | 28.94<br>(98.00)              |
| <b>50% of Pull at Maximum Power—5.6 mph (9.0 km/h)</b>         |                                |                        |                                 |           |   |                       |                                      |                    |                               |
| 59.34<br>(44.25)   | 3626<br>(16.13)                | 6.14<br>(9.87)         | 2324                            | 2.69      | 0.836<br>(0.509)                          | 8.38<br>(1.65)        | 183<br>(84)                          | 61<br>(16)         | 28.94<br>(98.00)              |
| <b>75% of Pull at Reduced Engine Speed—7.6 mph (12.0 km/h)</b> |                                |                        |                                 |           |   |                       |                                      |                    |                               |
| 87.48<br>(65.23)   | 5489<br>(24.42)                | 5.98<br>(9.62)         | 1756                            | 3.92      | 0.545<br>(0.332)                          | 12.86<br>(2.53)       | 183<br>(84)                          | 61<br>(16)         | 28.94<br>(98.00)              |
| <b>50% of Pull at Reduced Engine Speed—7.6 mph (12.0 km/h)</b> |                                |                        |                                 |           |   |                       |                                      |                    |                               |
| 59.32<br>(44.24)   | 3630<br>(16.15)                | 6.13<br>(9.86)         | 1785                            | 2.71      | 0.611<br>(0.372)                          | 11.47<br>(2.26)       | 183<br>(84)                          | 60<br>(16)         | 28.93<br>(97.97)              |

**Location of Test:** Nebraska Tractor Test Laboratory, University of Nebraska, Lincoln Nebraska 68583-0832

**Dates of Test:** October 7-26, 2004

**Manufacturer:** AGCO Corporation, 4205 River Green Parkway, Duluth, Georgia, 30096 USA.

**FUEL, OIL and TIME:** Fuel No. 2 Diesel Specific gravity converted to 60°/60° F (15°/15°C) 0.8420 Fuel weight 7.011 lbs/gal (0.840 kg/l) Oil SAE 15W40 API service classification CE/CF-4 /CD-II Transmission and hydraulic lubricant AGCO Power Fluid 821 XL fluid Front axle lubricant AGCO Gear Lube 715 SAE 80W90 Total time engine was operated 40.5 hours

**ENGINE:** Make Cummins Diesel Type six cylinder vertical with turbocharger and air to air intercooler Serial No. 21600812 Crankshaft lengthwise Rated engine speed 2200 Bore and stroke 4.094" x 5.197" (104.0 mm x 132.0 mm) Compression ratio 17.5 to 1 Displacement 410 cu in (6728 ml) Starting system 12 volt Lubrication pressure Air cleaner two paper elements and aspirator Oil filter one full flow cartridge Oil cooler engine coolant heat exchanger for crankcase oil, radiator for hydraulic and final drive oil, radiator for transmission oil Fuel filter two paper elements and water separator Muffler vertical Cooling medium temperature control one thermostat and variable speed fan

**ENGINE OPERATING PARAMETERS:** Fuel rate: 62.9 - 69.3 lb/h (28.5 - 31.4 kg/h) High idle: 2400-2500 rpm Turbo boost: nominal 16.6 - 20.1 psi (114 - 138 kPa) as measured 18.3 psi (126 kPa)

**CHASSIS:** Type front wheel assist Serial No. N132062 Tread width rear 60.5" (1537 mm) to 120.0" (3048 mm) front 61.2" (1554 mm) to 89.2" (2265 mm) Wheelbase 113.8" (2891 mm) Hydraulic control system direct engine drive Transmission AGCO CVT. A combination of mechanical and hydrostatic sections allow an infinite speed adjustment within the ranges noted. The transmission has two mechanical ranges. Nominal travel speeds mph (km/h) forward: Low range 0-17 (0-28), high range 0-25 (0-40) reverse: Low range 0-10 (0-16), high range 0-24 (0-38) Clutch a foot pedal controls the hydrostatic oil flow Brakes wet multiple disc hydraulically actuated by two foot pedals which can be locked together Steering hydrostatic Power take-off 540 rpm at 2062 engine rpm or 1000 rpm at 2033 engine rpm Unladen tractor mass 15525 lb (7042 kg)

## DRAWBAR PERFORMANCE

### UNBALLASTED - FRONT DRIVE ENGAGED MAXIMUM POWER AT SELECTED TRAVEL SPEEDS

| Power<br>Hp<br>(kW) | Drawbar<br>pull<br>lbs<br>(kN) | Speed<br>mph<br>(km/h) | Crank-<br>shaft<br>speed<br>rpm | Slip<br>% | Fuel Consumption<br>lb/hp.hr<br>(kg/kW.h) | Consumption<br>Hp.hr/gal<br>(kW.h/l) | Temp. °F(°C)<br>cool-<br>ing<br>med | Air<br>dry<br>bulb | Barom.<br>inch<br>Hg<br>(kPa) |                  |
|---------------------|--------------------------------|------------------------|---------------------------------|-----------|---|--------------------------------------|-------------------------------------|--------------------|-------------------------------|------------------|
| 106.30<br>(79.27)   | 13536<br>(60.21)               | 2.95<br>(4.74)         | 2165                            | 14.04     | 3.1 mph(5.0 km/h)<br>0.632<br>(0.384)     |                                      | 11.10<br>(2.19)                     | 185<br>(85)        | 50<br>(10)                    | 28.82<br>(97.60) |
| 112.07<br>(83.57)   | 12498<br>(55.59)               | 3.36<br>(5.41)         | 2069                            | 11.03     | 3.7 mph(6.0 km/h)<br>0.588<br>(0.358)     |                                      | 11.92<br>(2.35)                     | 185<br>(85)        | 51<br>(11)                    | 28.82<br>(97.60) |
| 114.65<br>(85.49)   | 11792<br>(52.45)               | 3.65<br>(5.87)         | 1944                            | 9.73      | 4.3 mph(7.0 km/h)<br>0.554<br>(0.337)     |                                      | 12.65<br>(2.49)                     | 185<br>(85)        | 52<br>(11)                    | 28.82<br>(97.60) |
| 115.13<br>(85.85)   | 11388<br>(50.66)               | 3.79<br>(6.10)         | 1844                            | 9.30      | 4.7 mph(7.5 km/h)<br>0.537<br>(0.327)     |                                      | 13.05<br>(2.57)                     | 185<br>(85)        | 54<br>(12)                    | 28.82<br>(97.60) |
| 115.17<br>(85.88)   | 10931<br>(48.62)               | 3.95<br>(6.36)         | 1801                            | 8.68      | 5.0 mph(8.0 km/h)<br>0.529<br>(0.322)     |                                      | 13.25<br>(2.61)                     | 185<br>(85)        | 55<br>(13)                    | 28.82<br>(97.60) |
| 116.37<br>(86.77)   | 9685<br>(43.08)                | 4.51<br>(7.25)         | 1796                            | 6.79      | 5.6 mph(9.0 km/h)<br>0.525<br>(0.320)     |                                      | 13.34<br>(2.63)                     | 185<br>(85)        | 55<br>(13)                    | 28.98<br>(98.14) |
| 116.31<br>(86.73)   | 8809<br>(39.18)                | 4.95<br>(7.97)         | 1806                            | 6.13      | 6.2 mph(10.0 km/h)<br>0.529<br>(0.322)    |                                      | 13.26<br>(2.61)                     | 185<br>(85)        | 60<br>(16)                    | 29.00<br>(98.21) |
| 115.41<br>(86.06)   | 8010<br>(35.63)                | 5.40<br>(8.70)         | 1791                            | 5.57      | 6.8 mph(11.0 km/h)<br>0.527<br>(0.320)    |                                      | 13.31<br>(2.62)                     | 185<br>(85)        | 61<br>(16)                    | 29.00<br>(98.21) |
| 113.87<br>(84.91)   | 7082<br>(31.50)                | 6.03<br>(9.70)         | 1796                            | 4.89      | 7.5 mph(12.0 km/h)<br>0.534<br>(0.325)    |                                      | 13.12<br>(2.58)                     | 185<br>(85)        | 62<br>(17)                    | 29.00<br>(98.21) |
| 113.20<br>(84.41)   | 6435<br>(28.62)                | 6.60<br>(10.62)        | 1799                            | 4.39      | 8.1 mph(13.0 km/h)<br>0.539<br>(0.328)    |                                      | 13.01<br>(2.56)                     | 185<br>(85)        | 63<br>(17)                    | 29.00<br>(98.21) |
| 112.23<br>(83.69)   | 5858<br>(26.06)                | 7.19<br>(11.56)        | 1793                            | 4.00      | 8.7 mph(14.0 km/h)<br>0.541<br>(0.329)    |                                      | 12.95<br>(2.55)                     | 185<br>(85)        | 64<br>(18)                    | 29.00<br>(98.21) |
| 111.63<br>(83.24)   | 5498<br>(24.46)                | 7.61<br>(12.25)        | 1789                            | 3.75      | 9.3 mph(15.0 km/h)<br>0.544<br>(0.331)    |                                      | 12.89<br>(2.54)                     | 185<br>(85)        | 66<br>(19)                    | 29.00<br>(98.21) |
| 110.37<br>(82.30)   | 5089<br>(22.64)                | 8.13<br>(13.09)        | 1789                            | 3.42      | 9.9 mph(16.0 km/h)<br>0.553<br>(0.336)    |                                      | 12.68<br>(2.50)                     | 185<br>(85)        | 68<br>(20)                    | 29.00<br>(98.21) |

**REPAIRS AND ADJUSTMENTS:** No repairs or adjustments.

**REMARKS:** All test results were determined from observed data obtained in accordance with official OECD, SAE and Nebraska test procedures. For the maximum power tests, the fuel temperature at the injection pump return was maintained at 143°F (62°C). The performance figures on this Summary were taken from a test conducted under the OECD Code II test procedure.

We, the undersigned, certify that this is a true and correct report of official Tractor Test No. **1842**, Nebraska Summary 446, February 4, 2005.

Leonard L. Bashford  
Director

M.F. Kocher  
V.I. Adamchuk  
W.P. Campbell  
Board of Tractor Test Engineers

#### TIRES, BALLAST AND WEIGHT

|  | With Ballast              | Without Ballast           |
|--|---------------------------|---------------------------|
| <b>Rear tires</b> - No., size, ply & psi(kPa)  | Four 480/80R42; **,10(70) | Two 480/80R42; **,16(110) |
| Ballast - Duals(total)                         | 1770 lb (803 kg)          | None                      |
| - Test equip.(total)                           | 120 lb (54 kg)            | None                      |
| <b>Front tires</b> - No., size, ply & psi(kPa) | Two 380/85R30; **,19(130) | Two 380/85R30; **,19(130) |
| Ballast - Liquid(total)                        | None                      | None                      |
| - Cast Iron(total)                             | 985 lb (447 kg)           | None                      |
| <b>Height of Drawbar</b>                       | 19.0 in (485 mm)          | 18.5 in (470 mm)          |
| <b>Static Weight with operator</b> - Rear      | 11315 lb (5132 kg)        | 9640 lb (4372 kg)         |
| - Front  | 7260 lb (3293 kg)         | 6060 lb (2749 kg)         |
| - Total  | 18575 lb (8425 kg)        | 15700 lb (7121 kg)        |

**DRAWBAR PERFORMANCE**  
**BALLASTED - FRONT DRIVE DISENGAGED**  
**FUEL CONSUMPTION CHARACTERISTICS**

| Power<br>Hp<br>(kW)   | Drawbar<br>pull<br>lbs<br>(kN) | Speed<br>mph<br>(km/h) | Crank-<br>shaft<br>speed<br>rpm | Slip<br>% | Fuel Consumption<br>lb/hp.hr<br>(kg/kW.h) | Hp.hr/gal<br>(kW.h/l) | Temp.°F (°C)<br>cool-<br>ing<br>med | Air<br>dry<br>bulb | Barom.<br>inch<br>Hg<br>(kPa) |
|---|--------------------------------|------------------------|---------------------------------|-----------|---|-----------------------|-------------------------------------|--------------------|-------------------------------|
| <b>Maximum Power—5.0 mph(8.0 km/h)</b>                        |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 110.84<br>(82.65)   | 8390<br>(37.32)                | 4.95<br>(7.97)         | 2204                            | 5.81      | 0.597<br>(0.363)                          | 11.74<br>(2.31)       | 185<br>(85)                         | 56<br>(13)         | 28.60<br>(96.85)              |
| <b>75% of Pull at Maximum Power—5.0 mph(8.0 km/h)</b>         |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 89.49<br>(66.74)  | 6284<br>(27.95)                | 5.34<br>(8.59)         | 2309                            | 3.80      | 0.665<br>(0.405)                          | 10.54<br>(2.08)       | 183<br>(84)                         | 55<br>(13)         | 28.48<br>(96.44)              |
| <b>50% of Pull at Maximum Power—5.0 mph(8.0 km/h)</b>         |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 61.29<br>(45.70)  | 4201<br>(18.69)                | 5.47<br>(8.80)         | 2328                            | 2.67      | 0.792<br>(0.482)                          | 8.85<br>(1.74)        | 182<br>(83)                         | 55<br>(13)         | 28.48<br>(96.44)              |
| <b>75% of Pull at Reduced Engine Speed—6.8 mph(11.0 km/h)</b> |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 89.58<br>(66.80)  | 6286<br>(27.96)                | 5.34<br>(8.60)         | 1712                            | 3.71      | 0.526<br>(0.320)                          | 13.32<br>(2.62)       | 182<br>(83)                         | 56<br>(13)         | 28.48<br>(96.44)              |
| <b>50% of Pull at Reduced Engine Speed—6.8 mph(11.0 km/h)</b> |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 61.35<br>(45.75)  | 4186<br>(18.62)                | 5.50<br>(8.84)         | 1732                            | 2.60      | 0.587<br>(0.357)                          | 11.95<br>(2.35)       | 180<br>(82)                         | 57<br>(14)         | 28.48<br>(96.44)              |

**MAXIMUM POWER AT SELECTED TRAVEL SPEEDS**

|                   |                  |                 |      |                                       |                  |                 |             |            |                  |
|-------------------|------------------|-----------------|------|---------------------------------------|------------------|-----------------|-------------|------------|------------------|
| 106.32<br>(79.28) | 12575<br>(55.94) | 3.17<br>(5.10)  | 2195 | 3.4 mph(5.5 km/h)<br>12.51<br>(0.379) | 0.622<br>(0.379) | 11.26<br>(2.22) | 185<br>(85) | 51<br>(11) | 28.48<br>(96.44) |
| 109.75<br>(81.84) | 9637<br>(42.87)  | 4.27<br>(6.87)  | 2200 | 4.3 mph(7.0 km/h)<br>7.31<br>(0.369)  | 0.606<br>(0.369) | 11.56<br>(2.28) | 185<br>(85) | 53<br>(12) | 28.48<br>(96.44) |
| 109.16<br>(81.40) | 8749<br>(38.92)  | 4.68<br>(7.53)  | 2205 | 4.7 mph(7.5 km/h)<br>6.05<br>(0.369)  | 0.607<br>(0.369) | 11.56<br>(2.28) | 185<br>(85) | 57<br>(14) | 28.60<br>(96.85) |
| 110.84<br>(82.65) | 8390<br>(37.32)  | 4.95<br>(7.97)  | 2204 | 5.0 mph(8.0 km/h)<br>5.81<br>(0.363)  | 0.597<br>(0.363) | 11.74<br>(2.31) | 185<br>(85) | 56<br>(13) | 28.60<br>(96.85) |
| 108.98<br>(81.27) | 7320<br>(32.56)  | 5.58<br>(8.98)  | 2204 | 5.6 mph(9.0 km/h)<br>4.47<br>(0.367)  | 0.604<br>(0.367) | 11.61<br>(2.29) | 185<br>(85) | 52<br>(11) | 28.59<br>(96.82) |
| 108.42<br>(80.85) | 6557<br>(29.16)  | 6.20<br>(9.98)  | 2200 | 6.2 mph(10.0 km/h)<br>3.97<br>(0.372) | 0.611<br>(0.372) | 11.48<br>(2.26) | 184<br>(85) | 53<br>(12) | 28.59<br>(96.82) |
| 107.59<br>(80.23) | 5940<br>(26.42)  | 6.79<br>(10.93) | 2202 | 6.8 mph(11.0 km/h)<br>3.61<br>(0.373) | 0.614<br>(0.373) | 11.42<br>(2.25) | 184<br>(85) | 53<br>(12) | 28.59<br>(96.82) |
| 107.31<br>(80.02) | 5376<br>(23.91)  | 7.49<br>(12.05) | 2200 | 7.5 mph(12.0 km/h)<br>3.26<br>(0.374) | 0.616<br>(0.374) | 11.39<br>(2.24) | 184<br>(84) | 54<br>(12) | 28.59<br>(96.82) |
| 106.20<br>(79.19) | 4939<br>(21.97)  | 8.06<br>(12.98) | 2201 | 8.1 mph(13.0 km/h)<br>2.98<br>(0.381) | 0.627<br>(0.381) | 11.19<br>(2.20) | 185<br>(85) | 54<br>(12) | 28.59<br>(96.82) |

| <b>TRACTOR SOUND LEVEL WITH CAB</b>                | <b>Front Wheel Drive</b> |                             |
|--|--------------------------|-----------------------------|
|  | <b>Engaged<br/>dB(A)</b> | <b>Disengaged<br/>dB(A)</b> |
| At no load at 4.7 mph(7.5 km/h)(engine - 2410 rpm) | 73.8                     | 73.7                        |
| At no load at 4.7 mph(7.5 km/h)(engine - 1400 rpm) | 66.8                     | 66.6                        |
| Bystander  | --                       | --                          |

**DRAWBAR PERFORMANCE**  
**BALLASTED - FRONT DRIVE ENGAGED**  
**MAXIMUM POWER AT SELECTED TRAVEL SPEEDS**

| Power<br>Hp<br>(kW) | Drawbar<br>pull<br>lbs<br>(kN) | Speed<br>mph<br>(km/h) | Crank-<br>shaft<br>speed<br>rpm | Slip<br>% | Fuel Consumption<br>lb/hp.hr<br>(kg/kW.h) | Hp.hr/gal<br>(kW.h/l) | Temp. °F(°C)<br>cool-<br>ing<br>med | Air<br>dry<br>bulb | Barom.<br>inch<br>Hg<br>(kPa) |
|---------------------|--------------------------------|------------------------|---------------------------------|-----------|---|-----------------------|-------------------------------------|--------------------|-------------------------------|
| 2.5 mph(4.0 km/h)   |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 104.49<br>(77.91)   | 17663<br>(78.57)               | 2.22<br>(3.57)         | 2199                            | 13.78     | 0.637<br>(0.387)                          | 11.01<br>(2.17)       | 185<br>(85)                         | 50<br>(10)         | 28.48<br>(96.44)              |
| 3.1 mph(5.0 km/h)   |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 113.38<br>(84.55)   | 15462<br>(68.78)               | 2.75<br>(4.43)         | 2001                            | 9.47      | 0.564<br>(0.343)                          | 12.44<br>(2.45)       | 185<br>(85)                         | 51<br>(11)         | 28.48<br>(96.44)              |
| 3.4 mph(5.5 km/h)   |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 114.71<br>(85.54)   | 14845<br>(66.03)               | 2.90<br>(4.66)         | 1935                            | 7.70      | 0.552<br>(0.336)                          | 12.69<br>(2.50)       | 185<br>(85)                         | 52<br>(11)         | 28.48<br>(96.44)              |
| 4.3 mph(7.0 km/h)   |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 116.43<br>(86.82)   | 11958<br>(53.19)               | 3.65<br>(5.88)         | 1860                            | 5.74      | 0.529<br>(0.322)                          | 13.26<br>(2.61)       | 185<br>(85)                         | 53<br>(12)         | 28.48<br>(96.44)              |
| 4.7 mph(7.5 km/h)   |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 116.29<br>(86.71)   | 11298<br>(50.25)               | 3.86<br>(6.21)         | 1810                            | 5.31      | 0.523<br>(0.318)                          | 13.41<br>(2.64)       | 185<br>(85)                         | 56<br>(13)         | 28.60<br>(96.85)              |
| 5.0 mph(8.0 km/h)   |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 116.87<br>(87.15)   | 10762<br>(47.87)               | 4.07<br>(6.55)         | 1802                            | 5.04      | 0.519<br>(0.316)                          | 13.50<br>(2.66)       | 185<br>(85)                         | 55<br>(13)         | 28.60<br>(96.85)              |
| 5.6 mph(9.0 km/h)   |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 115.08<br>(85.82)   | 9364<br>(41.65)                | 4.61<br>(7.42)         | 1807                            | 4.39      | 0.525<br>(0.319)                          | 13.37<br>(2.63)       | 184<br>(85)                         | 52<br>(11)         | 28.59<br>(96.82)              |
| 6.2 mph(10.0 km/h)  |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 114.07<br>(85.06)   | 8391<br>(37.32)                | 5.10<br>(8.20)         | 1802                            | 3.92      | 0.529<br>(0.322)                          | 13.25<br>(2.61)       | 185<br>(85)                         | 53<br>(12)         | 28.59<br>(96.82)              |
| 6.8 mph(11.0 km/h)  |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 113.85<br>(84.90)   | 7662<br>(34.08)                | 5.57<br>(8.97)         | 1807                            | 3.62      | 0.528<br>(0.321)                          | 13.28<br>(2.62)       | 185<br>(85)                         | 54<br>(12)         | 28.59<br>(96.82)              |
| 7.5 mph(12.0 km/h)  |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 113.05<br>(84.30)   | 6904<br>(30.71)                | 6.14<br>(9.88)         | 1799                            | 3.26      | 0.536<br>(0.326)                          | 13.07<br>(2.57)       | 185<br>(85)                         | 54<br>(12)         | 28.59<br>(96.82)              |
| 8.1 mph(13.0 km/h)  |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 111.52<br>(83.16)   | 6343<br>(28.22)                | 6.59<br>(10.61)        | 1801                            | 2.97      | 0.544<br>(0.331)                          | 12.89<br>(2.54)       | 185<br>(85)                         | 55<br>(13)         | 28.59<br>(96.82)              |
| 8.7 mph(14.0 km/h)  |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 110.27<br>(82.23)   | 5827<br>(25.92)                | 7.10<br>(11.42)        | 1805                            | 2.81      | 0.548<br>(0.333)                          | 12.81<br>(2.52)       | 185<br>(85)                         | 55<br>(13)         | 28.59<br>(96.82)              |
| 9.3 mph(15.0 km/h)  |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 108.83<br>(81.15)   | 5371<br>(23.89)                | 7.60<br>(12.23)        | 1801                            | 2.59      | 0.554<br>(0.337)                          | 12.66<br>(2.49)       | 185<br>(85)                         | 56<br>(13)         | 28.59<br>(96.82)              |
| 9.9 mph(16.0 km/h)  |                                |                        |                                 |           |   |                       |                                     |                    |                               |
| 107.31<br>(80.02)   | 4927<br>(21.92)                | 8.17<br>(13.14)        | 1799                            | 2.36      | 0.563<br>(0.343)                          | 12.45<br>(2.45)       | 185<br>(85)                         | 56<br>(13)         | 28.60<br>(96.85)              |

### THREE POINT HITCH PERFORMANCE (OECD Static Test)

CATEGORY: III

Quick Attach: None

Maximum Force Exerted

Through Whole Range:

| PowerMaxx CVT       | Quadrashift transmission |
|---------------------|--------------------------|
| 14283 lbs (63.5 kN) | 15240 lbs (67.8 kN)      |

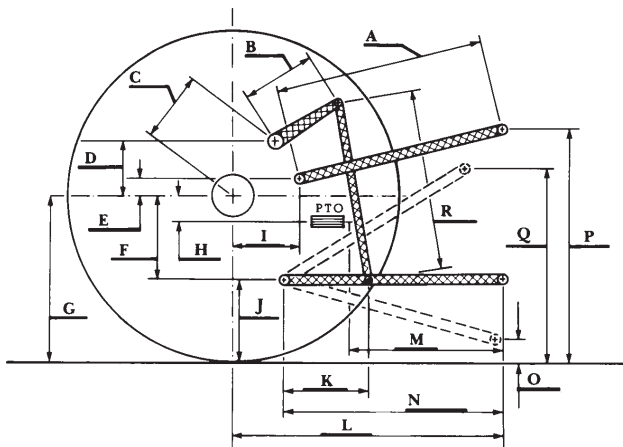
- i) Opening pressure of relief valve: NA
- Sustained pressure of the open relief valve: 2928 psi (202 bar)
- ii) Pump delivery rate at minimum pressure and rated engine speed: 30.6 GPM (115.8 l/min)
- iii) Pump delivery rate at maximum hydraulic power: 29.2 GPM (110.5 l/min)
- Delivery pressure: 2748 psi (190 bar)
- Power: 46.8 HP (34.9 kW)

### THREE POINT HITCH PERFORMANCE (Powermaxx transmission)

|                                      |                |
|--------------------------------------|----------------|
| Observed Maximum Pressure psi. (bar) | 2850 (197)     |
| Location:                            | lift cylinder  |
| Hydraulic oil temperature: °F (°C)   | 148 (64)       |
| Location:                            | hydraulic sump |
| Category:                            | III            |
| Quick attach:                        | None           |

SAE Static Test—System pressure 2665 psi (177 Bar)

|   |           |            |            |            |            |             |
|---|-----------|------------|------------|------------|------------|-------------|
| Hitch point distance to ground level in. (mm) | 8.2 (208) | 14.4 (366) | 20.8 (528) | 27.2 (691) | 33.6 (853) | 40.0 (1016) |
| Lift force on frame lb                        | 19719     | 17748      | 17721      | 18009      | 17874      | 16992       |
| " " " " " " (kN)                              | (87.7)    | (78.9)     | (78.8)     | (79.5)     | (79.5)     | (75.6)      |



### HITCH DIMENSIONS AS TESTED - NO LOAD POWERMAXX CVT

|   | SAE TEST |      | OECD TEST |      |
|---|----------|------|-----------|------|
|   | inch     | mm   | inch      | mm   |
| A | 30.3     | 768  | 29.7      | 754  |
| B | 14.0     | 355  | 14.0      | 355  |
| C | 13.7     | 347  | 13.7      | 347  |
| D | 12.0     | 305  | 12.0      | 305  |
| E | 12.6     | 321  | 12.6      | 321  |
| F | 10.0     | 255  | 10.0      | 255  |
| G | 34.2     | 870  | 34.2      | 870  |
| H | 2.4      | 60   | 2.4       | 60   |
| I | 18.7     | 476  | 18.7      | 476  |
| J | 24.2     | 615  | 24.2      | 615  |
| K | 27.2     | 690  | 27.2      | 690  |
| L | 46.3     | 1175 | 46.3      | 1175 |
| M | 26.2     | 665  | 26.2      | 665  |
| N | 40.6     | 1030 | 40.6      | 1030 |
| O | 8.0      | 203  | 9.0       | 230  |
| P | 46.2     | 1173 | 51.2      | 1300 |
| Q | 37.3     | 947  | 39.5      | 1003 |
| R | 29.9     | 759  | 29.3      | 744  |

### HITCH DIMENSIONS AS TESTED—NO LOAD QUADRASHIFT TRANSMISSION

|   | inch | mm   |
|---|------|------|
|   | A    | 31.5 |
| B | 15.7 | 400  |
| C | 21.0 | 534  |
| D | 19.5 | 495  |
| E | 8.3  | 210  |
| F | 12.2 | 310  |
| G | 35.6 | 905  |
| H | 2.0  | 50   |
| I | 17.7 | 450  |
| J | 23.4 | 595  |
| K | 25.0 | 635  |
| L | 47.2 | 1198 |
| M | 23.5 | 598  |
| N | 37.0 | 940  |
| O | 10.2 | 258  |
| P | 47.4 | 1205 |
| Q | 40.2 | 1022 |
| R | 36.3 | 923  |



AGCO RT 135 Diesel