

# SUMMARY OF OECD TEST 2394-NEBRASKA SUMMARY 636 MASSEY FERGUSON 6485 DIESEL 24 SPEED

Tractor chassis S/N R165050 and higher

## 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—1099 rpm)</b> |                                |                 |                       |                       |                                |
| 145.8<br>(108.7)                               | 2199                           | 9.01<br>(34.09) | 0.439<br>(0.267)      | 16.19<br>(3.19)       |                                |
| <b>Standard Power Take-off Speed(1000 rpm)</b> |                                |                 |                       |                       |                                |
| 175.4<br>(130.8)                               | 2000                           | 9.75<br>(36.90) | 0.395<br>(0.241)      | 18.00<br>(3.55)       |                                |
| <b>Maximum Power (1 hour)</b>                  |                                |                 |                       |                       |                                |
| 175.4<br>(130.8)                               | 2000                           | 9.75<br>(36.90) | 0.395<br>(0.241)      | 18.00<br>(3.55)       |                                |

## VARYING POWER AND FUEL CONSUMPTION

| 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 |
|---------------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------------------|
| 145.8<br>(108.7)    | 2199                           | 9.01<br>(34.09) | 0.439<br>(0.267)      | 16.19<br>(3.19)       | Air temperature                |
| 125.1<br>(93.3)     | 2220                           | 7.90<br>(29.89) | 0.449<br>(0.273)      | 15.84<br>(3.12)       | 70°F (21°C)                    |
| 94.1<br>(70.2)      | 2228                           | 6.42<br>(24.31) | 0.485<br>(0.295)      | 14.67<br>(2.89)       | Relative humidity              |
| 63.2<br>(47.1)      | 2232                           | 4.88<br>(18.46) | 0.552<br>(0.334)      | 12.95<br>(2.55)       | 67%                            |
| 31.6<br>(23.6)      | 2245                           | 3.38<br>(12.81) | 0.761<br>(0.463)      | 9.36<br>(1.84)        | Barometer                      |
| --                  | 2254                           | 2.10<br>(7.95)  | --                    | --                    | 29.9" Hg (101.2 kPa)           |

Maximum Torque - 574.1 lb.-ft. (769.9 Nm) at 1400 rpm  
Maximum Torque Rise - 63.0%  
Torque rise at 1750 engine rpm - 47%

## 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) | Temp. °F (°C)<br>cool-<br>ing<br>med | Barom.<br>inch<br>Hg<br>(kPa) |
|----------------------------------------------------------|--------------------------------|------------------------|---------------------------------|-----------|-------------------------------------------|--------------------------------------|-------------------------------|
| <b>Maximum Power—13th(3B) Gear</b>                       |                                |                        |                                 |           |                                           |                                      |                               |
| 126.7<br>(94.5)                                          | 7280<br>(32.4)                 | 6.53<br>(10.51)        | 2200                            | 4.2       | 0.500<br>(0.304)                          | 14.21<br>(2.80)                      | 185<br>(85)                   |
| <b>75% of Pull at Maximum Power—13th(3B) Gear</b>        |                                |                        |                                 |           |                                           |                                      |                               |
| 97.2<br>(72.5)                                           | 5490<br>(24.4)                 | 6.64<br>(10.69)        | 2212                            | 3.1       | 0.538<br>(0.327)                          | 13.20<br>(2.60)                      | 181<br>(83)                   |
| <b>50% of Pull at Maximum Power—13th(3B) Gear</b>        |                                |                        |                                 |           |                                           |                                      |                               |
| 65.7<br>(49.0)                                           | 3650<br>(16.2)                 | 6.75<br>(10.86)        | 2219                            | 1.9       | 0.616<br>(0.375)                          | 11.52<br>(2.27)                      | 179<br>(82)                   |
| <b>75% of Pull at Reduced Engine Speed—15th(3C) Gear</b> |                                |                        |                                 |           |                                           |                                      |                               |
| 97.1<br>(72.4)                                           | 5495<br>(24.4)                 | 6.62<br>(10.66)        | 1882                            | 3.3       | 0.481<br>(0.292)                          | 14.77<br>(2.91)                      | 179<br>(82)                   |
| <b>50% of Pull at Reduced Engine Speed—15th(3C) Gear</b> |                                |                        |                                 |           |                                           |                                      |                               |
| 65.7<br>(49.0)                                           | 3650<br>(16.2)                 | 6.75<br>(10.87)        | 1890                            | 1.8       | 0.546<br>(0.332)                          | 12.99<br>(2.56)                      | 178<br>(81)                   |

**Location of tests:** Groupement d'Antony, Parc de Touvois, BP 44 Antony, France 92163

**Dates of tests:** August - October, 2007

**Manufacturer:** AGCO S.A. BP 307, Avenue Blaise Pascal, 60026 Beauvais, France

**FUEL and OIL:** Fuel No. 2 Diesel **Specific gravity converted to 60°/60°F (15°/15°C)** 0.855 **Fuel weight** 7.12 lbs/gal (0.853 kg/l) **Oil SAE 15W40 API service classification CH4 Transmission and hydraulic lubricant** BP Terrac Tractan 9 10W/40 **Front axle lubricant** BP Terrac Tractan 9 10W/40

**ENGINE:** Make Sisu Diesel **Type** six cylinder vertical with turbocharger and air to air intercooler **Serial No.** T05871 **Crankshaft** lengthwise **Rated engine speed** 2200 **Bore and stroke** 4.252" x 4.724" (108.0 mm x 120.0 mm) **Compression ratio** 18.5 to 1 **Displacement** 402 cu in (6596 ml) **Starting system** 12 volt **Lubrication** pressure **Air cleaner** two paper elements **Oil filter** one full flow cartridge **Oil cooler** engine coolant heat exchanger for crankcase oil, radiator for hydraulic and transmission oil **Fuel filter** one paper element **Muffler** underhood **Exhaust** vertical **Cooling medium temperature control** thermostat and variable speed fan

**CHASSIS:** **Type** front wheel assist **Serial No.** S103032 **Tread width** rear 61.7" (1567 mm) to 95.2" (2417 mm) front 68.8" (1747 mm) to 75.4" (1915 mm) **Wheelbase** 118.0" (2996 mm) **Hydraulic control system** direct engine drive **Transmission** selective gear fixed ratio with partial (6) range operator controlled powershift **Nominal travel speeds mph (km/h)** first 1.08 (1.73) second 1.29 (2.07) third 1.51 (2.43) fourth 1.82 (2.93) fifth 2.14 (3.45) sixth 2.58 (4.15) seventh 2.90 (4.66) eighth 3.49 (5.61) ninth 4.09 (6.58) tenth 4.92 (7.92) eleventh 5.55 (8.93) twelfth 5.79 (9.31) thirteenth 6.67 (10.74) fourteenth 6.97 (11.21) fifteenth 7.83 (12.60) sixteenth 9.43 (15.17) seventeenth 11.08 (17.83) eighteenth 12.60 (20.28) nineteenth 13.34 (21.46) twentieth 15.15 (24.38) twenty-first 17.78 (28.61) twenty-second 21.39 (34.43) twenty-third 25.16 (40.49) twenty-fourth 24.86 (40.00) reverse 1.08 (1.73), 1.29 (2.07), 1.51 (2.43), 1.82 (2.93), 2.14 (3.45), 2.58 (4.15), 2.90 (4.66), 3.49 (5.61), 4.09 (6.58), 4.92 (7.92), 5.55 (8.93), 5.79 (9.31), 6.67 (10.74), 6.97 (11.21), 7.83 (12.60), 9.43 (15.17), 11.08 (17.83), 12.60 (20.28), 13.34 (21.46), 15.15 (24.38), 17.78 (28.61), 21.39 (34.43), 25.16 (40.49), 24.86 (40.00)

**DRAWBAR PERFORMANCE**  
**(Unballasted - Front Drive Engaged)**  
**MAXIMUM POWER IN SELECTED GEARS**

| 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<br>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) |
|---------------------|--------------------------------|------------------------|---------------------------------|-----------|----------------------------------------------|--------------------------------------|-------------------------------------|--------------------|-------------------------------|
| 4th(1D) Gear        |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 61.7<br>(46.0)      | 14705<br>(65.4)                | 1.57<br>(2.53)         | 2207                            | 15.2      | 0.676<br>(0.411)                             | 10.51<br>(2.07)                      | 180<br>(82)                         | 57<br>(14)         | 30.2<br>(102.4)               |
| 5th(1E) Gear        |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 72.4<br>(54.0)      | 14320<br>(63.7)                | 1.90<br>(3.05)         | 2204                            | 13.2      | 0.651<br>(0.396)                             | 10.91<br>(2.15)                      | 178<br>(81)                         | 57<br>(14)         | 30.2<br>(102.4)               |
| 6th(1F) Gear        |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 86.8<br>(64.7)      | 14120<br>(62.8)                | 2.31<br>(3.71)         | 2201                            | 11.6      | 0.600<br>(0.365)                             | 11.83<br>(2.33)                      | 178<br>(81)                         | 57<br>(14)         | 30.2<br>(102.4)               |
| 7th(2A) Gear        |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 97.5<br>(72.7)      | 13940<br>(62.0)                | 2.62<br>(4.22)         | 2199                            | 11.6      | 0.573<br>(0.349)                             | 12.39<br>(2.44)                      | 178<br>(81)                         | 57<br>(14)         | 30.2<br>(102.4)               |
| 8th(2B) Gear        |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 115.9<br>(86.4)     | 13760<br>(61.2)                | 3.16<br>(5.08)         | 2191                            | 11.5      | 0.529<br>(0.321)                             | 13.43<br>(2.64)                      | 178<br>(81)                         | 59<br>(15)         | 30.2<br>(102.4)               |
| 9th(2C) Gear        |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 127.7<br>(95.2)     | 13510<br>(60.1)                | 3.54<br>(5.70)         | 2090                            | 10.9      | 0.499<br>(0.304)                             | 14.22<br>(2.80)                      | 183<br>(84)                         | 59<br>(15)         | 30.2<br>(102.4)               |
| 10th(2D) Gear       |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 135.6<br>(101.1)    | 12160<br>(54.1)                | 4.18<br>(6.72)         | 2003                            | 8.9       | 0.468<br>(0.284)                             | 15.18<br>(2.99)                      | 183<br>(84)                         | 61<br>(16)         | 30.2<br>(102.4)               |
| 11th(3A) Gear       |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 151.8<br>(113.2)    | 12080<br>(53.7)                | 4.71<br>(7.58)         | 1999                            | 8.6       | 0.462<br>(0.281)                             | 15.38<br>(3.03)                      | 189<br>(87)                         | 61<br>(16)         | 30.2<br>(102.4)               |
| 12th(2E) Gear       |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 136.4<br>(101.7)    | 10115<br>(45.0)                | 5.06<br>(8.14)         | 2001                            | 6.5       | 0.463<br>(0.282)                             | 15.33<br>(3.02)                      | 183<br>(84)                         | 61<br>(16)         | 30.2<br>(102.4)               |
| 13th(3B) Gear       |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 154.2<br>(115.0)    | 9960<br>(44.3)                 | 5.81<br>(9.35)         | 2002                            | 6.4       | 0.453<br>(0.275)                             | 15.68<br>(3.09)                      | 190<br>(88)                         | 63<br>(17)         | 30.2<br>(102.4)               |
| 14th(2F) Gear       |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 137.2<br>(102.3)    | 8387<br>(37.3)                 | 6.13<br>(9.87)         | 1999                            | 5.0       | 0.461<br>(0.280)                             | 15.40<br>(3.03)                      | 185<br>(85)                         | 63<br>(17)         | 30.2<br>(102.4)               |
| 15th(3C) Gear       |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 156.1<br>(116.4)    | 8455<br>(37.6)                 | 6.92<br>(11.14)        | 2002                            | 5.0       | 0.450<br>(0.273)                             | 15.80<br>(3.11)                      | 187<br>(86)                         | 64<br>(18)         | 30.2<br>(102.4)               |
| *16th(3D) Gear      |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 153.7<br>(114.6)    | 7170<br>(31.9)                 | 8.04<br>(12.94)        | 1999                            | 8.1       | 0.457<br>(0.278)                             | 15.53<br>(3.06)                      | 189<br>(87)                         | 64<br>(18)         | 30.2<br>(102.4)               |
| *17th(3E) Gear      |                                |                        |                                 |           |                                              |                                      |                                     |                    |                               |
| 149.9<br>(111.8)    | 5855<br>(26.0)                 | 9.60<br>(15.45)        | 1999                            | 6.5       | 0.468<br>(0.284)                             | 15.19<br>(2.99)                      | 189<br>(87)                         | 64<br>(18)         | 30.2<br>(102.4)               |

\*Front Drive Disengaged

**Clutch** multiple wet disc operated by foot pedal  
**Brakes** multiple wet disc hydraulically operated by two foot pedals that can be locked together  
**Steering** hydrostatic **Power take-off** 540 rpm at 1998 engine rpm or 1000 rpm at 2000 engine rpm **Unladen tractor mass** 16305 lb (7395 kg)

**NOTE 1:** The engine on this tractor is electronically controlled to give 2 power levels. A "boosted" level is available when the PTO is engaged, tractor stationary, and when the tractor is operated in ranges 3 and 4.

**NOTE 2:** The performance figures on this report apply to tractors with chassis S/N R165050 and higher.

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

**REMARKS:** All test results were determined from observed data obtained in accordance with official OECD test procedures. The manufacturer's claim of 39 GPM (150 lpm) remote flow with optional pump was not verified. 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 summary of data from OECD Report No. **2394**, Nebraska Summary 636, March 31, 2009.

Roger M. Hoy  
 Director

M.F. Kocher  
 V.I. Adamchuk  
 J.A. Smith  
 Board of Tractor Test Engineers

**TIRES, BALLAST AND WEIGHT**

**Rear tires** - No., size, ply & psi (kPa)

Ballast - Duals (total)

- Cast iron (total)

**Front tires** - No., size, ply & psi (kPa)

Ballast - Liquid (total)

- Cast Iron (total)

**Height of Drawbar**

**Static Weight with operator** - Rear

- Front

- Total

**With Ballast**

Four 480/80R46; \*\*\*, 15(100)

2190 lb (993 kg)

None

Two 420/90R30; \*\*, 15(100)

None

1700 lb (770 kg)

23.6 in (600 mm)

11960 lb (5425 kg)

8850 lb (4015 kg)

20810 lb (9440 kg)

**Without Ballast**

Two 520/85R42; \*\*, 15(100)

None

None

Two 16.9R30; \*\*, 15(100)

None

23.6 in (600 mm)

9835 lb (4460 kg)

6625 lb (3005 kg)

16460 lb (7465 kg)

**DRAWBAR PERFORMANCE**  
**(Ballasted - Front Drive Engaged)**  
**MAXIMUM POWER IN SELECTED GEARS**

| 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) |
|---------------------|--------------------------------|------------------------|---------------------------------|-----------|-------------------------------------------|--------------------------------------|--------------------------------------|--------------------|-------------------------------|
| 68.8<br>(51.3)      | 19895<br>(88.5)                | 1.30<br>(2.09)         | 2215                            | 15.8      | 0.665<br>(0.404)                          | 10.68<br>(2.10)                      | 180<br>(82)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 3th(1C) Gear        |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 84.4<br>(62.9)      | 19580<br>(87.1)                | 1.62<br>(2.60)         | 2211                            | 13.1      | 0.606<br>(0.368)                          | 11.73<br>(2.31)                      | 180<br>(82)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 4th(1D) Gear        |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 98.7<br>(73.6)      | 19490<br>(86.7)                | 1.90<br>(3.06)         | 2206                            | 12.4      | 0.587<br>(0.357)                          | 12.09<br>(2.38)                      | 181<br>(83)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 5th(1E) Gear        |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 116.7<br>(87.0)     | 18670<br>(83.0)                | 2.34<br>(3.77)         | 2163                            | 9.4       | 0.530<br>(0.322)                          | 13.40<br>(2.64)                      | 183<br>(84)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 6th(1F) Gear        |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 127.1<br>(94.8)     | 18525<br>(82.4)                | 2.57<br>(4.14)         | 2091                            | 8.7       | 0.498<br>(0.303)                          | 14.26<br>(2.81)                      | 183<br>(84)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 7th(2A) Gear        |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 135.2<br>(100.8)    | 16840<br>(74.9)                | 3.01<br>(4.85)         | 2002                            | 7.6       | 0.465<br>(0.283)                          | 15.28<br>(3.01)                      | 183<br>(84)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 8th(2B) Gear        |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 136.9<br>(102.1)    | 14300<br>(63.6)                | 3.59<br>(5.77)         | 2003                            | 5.1       | 0.458<br>(0.279)                          | 15.48<br>(3.05)                      | 183<br>(84)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 9th(2C) Gear        |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 138.4<br>(103.2)    | 11870<br>(52.8)                | 4.37<br>(7.03)         | 2003                            | 3.9       | 0.451<br>(0.275)                          | 15.74<br>(3.10)                      | 185<br>(85)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 10th(2D) Gear       |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 151.7<br>(113.1)    | 11600<br>(51.6)                | 4.90<br>(7.89)         | 2000                            | 4.3       | 0.459<br>(0.279)                          | 15.48<br>(3.05)                      | 187<br>(86)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 11th(3A) Gear       |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 134.5<br>(100.3)    | 9780<br>(43.5)                 | 5.16<br>(8.31)         | 2001                            | 4.2       | 0.466<br>(0.283)                          | 15.24<br>(3.00)                      | 187<br>(86)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 12th(2E) Gear       |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 151.9<br>(113.3)    | 9600<br>(42.7)                 | 5.93<br>(9.55)         | 1996                            | 3.5       | 0.459<br>(0.279)                          | 15.48<br>(3.05)                      | 187<br>(86)                          | 63<br>(17)         | 30.2<br>(102.3)               |
| 13th(3B) Gear       |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 135.7<br>(101.2)    | 8080<br>(35.9)                 | 6.30<br>(10.13)        | 2004                            | 2.5       | 0.464<br>(0.282)                          | 15.29<br>(3.01)                      | 189<br>(87)                          | 65<br>(18)         | 30.2<br>(102.3)               |
| 14th(2F) Gear       |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 152.2<br>(113.5)    | 8065<br>(35.9)                 | 7.08<br>(11.39)        | 2003                            | 2.5       | 0.459<br>(0.279)                          | 15.48<br>(3.05)                      | 190<br>(88)                          | 65<br>(18)         | 30.2<br>(102.3)               |
| 15th(3C) Gear       |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 151.8<br>(113.2)    | 6835<br>(30.4)                 | 8.33<br>(13.40)        | 2004                            | 3.5       | 0.458<br>(0.278)                          | 15.51<br>(3.05)                      | 190<br>(88)                          | 65<br>(18)         | 30.2<br>(102.3)               |
| *16th(3D) Gear      |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |
| 146.8<br>(109.5)    | 5610<br>(25.0)                 | 9.82<br>(15.80)        | 2000                            | 2.6       | 0.474<br>(0.288)                          | 14.97<br>(2.95)                      | 190<br>(88)                          | 65<br>(18)         | 30.2<br>(102.3)               |
| *17th(3E) Gear      |                                |                        |                                 |           |                                           |                                      |                                      |                    |                               |

\* Front Drive disengaged

**TRACTOR SOUND LEVEL WITH CAB**

**dB(A)**

|                              |      |
|------------------------------|------|
| At no load in 10th (2D) gear | 69.0 |
| Bystander                    | --   |

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

CATEGORY: II

Quick Attach: None

Maximum force exerted through whole range: 14905 lbs (66.3 kN)

- i) Opening pressure of relief valve: NA
- Sustained pressure of the open relief valve: 2845 psi (196 bar)
- ii) Pump delivery rate at minimum pressure: 30.5 GPM (115.6 l/min)
- iii) Pump delivery rate at maximum
  - hydraulic power: 26.5 GPM (100.2 l/min)
  - Delivery pressure: 2290 psi (158 bar)
  - Power: 35.4 HP (26.4 kW)

|   | OECD test |      | SAE test |      |
|---|-----------|------|----------|------|
|   | inch      | mm   | inch     | mm   |
| A | 29.7      | 755  | 30.3     | 770  |
| B | 15.7      | 400  | 15.7     | 400  |
| C | 20.7      | 525  | 20.7     | 525  |
| D | 19.1      | 485  | 19.1     | 485  |
| E | 8.3       | 210  | 11.6     | 295  |
| F | 12.2      | 310  | 12.2     | 310  |
| G | 36.4      | 925  | 36.4     | 925  |
| H | 2.0       | 50   | 2.0      | 50   |
| I | 17.7      | 450  | 16.9     | 430  |
| J | 24.2      | 615  | 24.2     | 615  |
| K | 21.8      | 554  | 21.8     | 554  |
| L | 47.2      | 1200 | 47.2     | 1200 |
| M | 22.0      | 560  | 22.0     | 560  |
| N | 37.1      | 942  | 37.1     | 942  |
| O | 8.7       | 220  | 8.7      | 220  |
| P | 48.2      | 1225 | 43.2     | 1098 |
| Q | 38.8      | 986  | 38.8     | 986  |
| R | 36.3      | 923  | 36.3     | 923  |

**THREE POINT HITCH PERFORMANCE SAE Test**

- Observed Maximum Pressure psi. (bar): 2845 (196)
- Location: lift cylinder
- Hydraulic oil temperature: °F (°C): 145 (63)
- Location: hydraulic sump
- Category: II
- Quick attach: None

**SAE Static Test**—System pressure 2555 psi (176 bar)

|                                               |            |            |            |            |            |             |
|-----------------------------------------------|------------|------------|------------|------------|------------|-------------|
| Hitch point distance to ground level in. (mm) | 11.8 (300) | 16.4 (416) | 24.2 (615) | 30.1 (764) | 35.4 (900) | 41.3 (1050) |
| Lift force on frame lb                        | 17130      | 17020      | 17335      | 17310      | 17195      | 16525       |
| " " " " " " (kN)                              | (76.2)     | (75.7)     | (77.1)     | (77.0)     | (76.5)     | (73.5)      |

