#### 740 Articulated Truck

# **Turning Circle**

Dimensions are for machines equipped with 29.5R25 tires.

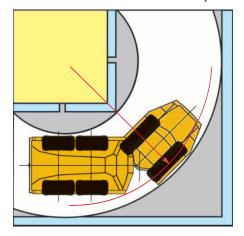
#### **Dimensions**

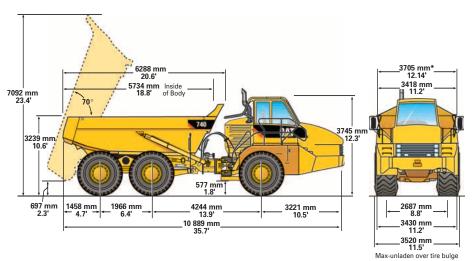
#### **Turning dimensions**

Steer angle — left/ri	ght 45°	
SAE turning radius	8138 mm	320.4 in
Clearance radius	8595 mm	338.4 in
Inside radius	4101 mm	161.5 in
Aisle width	5694 mm	224.2 in

# **Steering**

Lock to Lock 4.6 seconds @ 60 rpm





\* If equipped with a scissor tailgate.

#### **Optimal Loader/Truck Pass Matching**

Hydraulic Excavators	385C	365C	345D
Loader Capacity (Tonnes) – 50 min hr	954-1193	750-1100	665-805
Loader Capacity (Tons) – 50 min hr	1049-1314	825-1210	735-885
Passes	3-4	5	6

Wheel Loaders	988H	980H	972H	966H
Loader Capacity (Tonnes) – 50 min hr	565-790	590-650	490-565	400-535
Loader Capacity (Tons) – 50 min hr	625-870	650-717	540-625	440-590
Passes	3-4	4	5	5-6

An optimum system match gives you a major productivity advantage. The 740 is an excellent match for the Cat 385C, 365C and 345C Hydraulic Excavators; and 972H, 980H and 988H Wheel Loaders. This results in increased production and lower system costs per unit of volume moved.

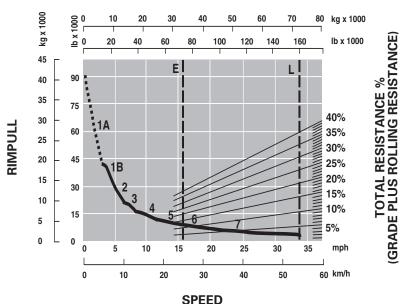
### **Gradeability/Speed/Rimpull**

To determine performance, read from Gross Weight down to % Total Resistance. Total Resistance equals actual % grade plus 1% for each 10 kg/metric ton (20 lb/ton) of Rolling Resistance. From this point, read horizontally to the curve with the highest attainable speed range. Then, go down to Maximum Speed. Usable Rimpull depends on traction available.

# **Retarding Performance**

To determine performance, read from Gross Weight down to % Effective Grade. Effective Grade equals actual % favorable grade plus 1% for each 10 kg/metric ton (20 lb/ton) of Rolling Resistance. From this point, read horizontally to the curve with the highest attainable speed range. Then, go down to Maximum Speed. Retarding effect on these curves represents full application of the retarder.

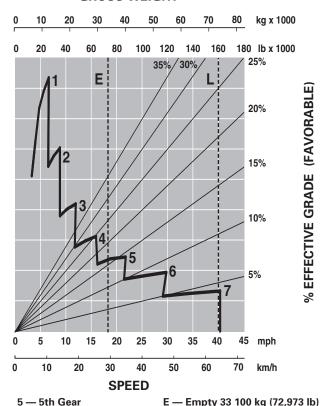
# STANDARD\* GROSS WEIGHT



1A — 1st Gear 3 — 3rd Gear E — Empty 33 100 kg (72,973 lb)
(Converter Drive) 4 — 4th Gear L — Loaded 72 600 kg (160,055 lb)

1B — 1st Gear 5 — 5th Gear \* at sea level
(Direct Drive) 6 — 6th Gear

#### **GROSS WEIGHT**



1 — 1st Gear 2 — 2nd Gear

4 — 4th Gear

2 — 2nd Gear

2 — 2nd Gear 3 — 3rd Gear

6 — 6th Gear 7 — 7th Gear E — Empty 33 100 kg (72,973 lb) L — Loaded 72 600 kg (160,055 lb)