

# HC43

# Hydex

## Coal Hauler Articulated Truck

The **HYDEX HC43** is a purpose-built Coal Hauler for the mining industry.

Based on the Cat 740B Articulated Truck chassis offering proven reliability and durability, high class performance and productivity, optimum payload, operator comfort and ease of operation.



- 43 m<sup>3</sup> / 56 yd<sup>3</sup> capacity
- Designed for standard length chassis
- Uses existing hoist cylinders
- Scissor tailgate

### Engine Gross Power

365 kW

489 hp

### Engine Net Power (ISO)

361 kW

484 hp

### Operating Weight (loaded)

73 975 kg

163,087 lb

### Rated Payload

39.5 tonne

43.5 tons

The Hydex HC43 is supplied by **Hydex Solutions Ltd**

# HC43 Coal Hauler Articulated Truck *Specifications*



## Engine

|                         |                 |           |
|-------------------------|-----------------|-----------|
| Engine Model            | Cat® C15 ACERT® |           |
| Gross Power – SAE J1995 | 365 kW          | 489 hp    |
| Net Power – SAE J1349   | 354 kW          | 474 hp    |
| Net Power – ISO 14396   | 361 kW          | 484 hp    |
| Bore                    | 137 mm          | 5.4 in    |
| Stroke                  | 171.5 mm        | 6.75 in   |
| Displacement            | 15.2 ltr        | 926 cu.in |

## Transmission

|           |           |          |
|-----------|-----------|----------|
| Forward 1 | 8.9 km/h  | 5.5 mph  |
| Forward 2 | 12.1 km/h | 7.5 mph  |
| Forward 3 | 16.4 km/h | 10.2 mph |
| Forward 4 | 22 km/h   | 13.7 mph |
| Forward 5 | 30 km/h   | 18.6 mph |
| Forward 6 | 40 km/h   | 25.1 mph |
| Forward 7 | 54.7 km/h | 34 mph   |
| Reverse 1 | 8.4 km/h  | 5.2 mph  |
| Reverse 2 | 11.6 km/h | 7.2 mph  |

## Standards

|          |                          |
|----------|--------------------------|
| Brakes   | ISO 3450 : 1996          |
| Cab/FOPS | ISO 3449 Level II : 2005 |
| Cab/ROPS | ISO 3471 : 2008          |
| Steering | ISO 5010 : 2007          |

## Operating Weights

|                          |                  |                   |
|--------------------------|------------------|-------------------|
| Front Axle - Empty       | 20 664 kg        | 45,556 lb         |
| Center Axle - Empty      | 7229 kg          | 15,937 lb         |
| Rear Axle - Empty        | 6499 kg          | 14,328 lb         |
| <i>Total Empty</i>       | <i>34 393 kg</i> | <i>75,824 lb</i>  |
| Front Axle - Rated Load  | 5211 kg          | 11,488 lb         |
| Center Axle - Rated Load | 17 186 kg        | 37,889 lb         |
| Rear Axle - Rated Load   | 17 186 kg        | 37,889 lb         |
| <i>Total Rated Load</i>  | <i>39 582 kg</i> | <i>87,263 lb</i>  |
| Front Axle - Loaded      | 25 875 kg        | 57,045 lb         |
| Center Axle - Loaded     | 24 415 kg        | 53,826 lb         |
| Rear Axle - Loaded       | 23 685 kg        | 52,216 lb         |
| <i>Total - Loaded</i>    | <i>73 975 kg</i> | <i>163,087 lb</i> |
| Rated Payload            | 39.5 tonnes      | 43.5 tons         |

## Body Hoist

|            |            |
|------------|------------|
| Raise Time | 12 seconds |
| Lower Time | 7 seconds  |

## Service Capacities

|                           |         |          |
|---------------------------|---------|----------|
| Fuel Tank                 | 560 ltr | 148 gal  |
| Cooling System            | 80 ltr  | 21.1 gal |
| Hydraulic System          | 328 ltr | 86.6 gal |
| Engine Crankcase          | 38 ltr  | 9.5 gal  |
| Transmission              | 72 ltr  | 19 gal   |
| Final Drives/Differential | 72 ltr  | 19 gal   |
| Output Transfer Gearbox   | 18 ltr  | 4.8 gal  |

## Sound Levels

|              |          |
|--------------|----------|
| Interior Cab | 79 dB(A) |
|--------------|----------|

All cab/chassis machine specifications are contained in the Cat 740B specalogue publication AEHQ6072

Materials and specifications are subject to change without notice.

See your Caterpillar dealer for standard and optional cab equipment.

# Hydex Solutions Ltd

## Head Office

Unit 30, Twyford Business Centre  
London Road, Bishop's Stortford  
Herts, CM23 3YT  
United Kingdom  
Tel: +44 (0)1279 755590  
Fax: +44 (0)1279 652644  
www.hydexuk.com

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