



# ESPECIFICACIÓN TÉCNICA

Camión Volquete para Minería Subterránea DALI UK-40



## Main Features

### A. Structural Design

A1. The front and rear frames are articulated with good performance and easy operation.

A2. Ergonomics Canopy with comfortable operation. Spring seat with belt. View of 360°.

A3. Fully closed cab with air conditioning.

### B. Operation Safety

B1. 4 wheels driving and braking.

B2. The combination design of parking brake, working brake and emergency brake has good braking effect and high safety factor. Braking model is SAHR (spring applied, hydraulic release).

B3. Rear camera to provide good view for the operator.

B4. Full hydraulic steering system, easy and flexible operation. Hydraulic pilot control to reduce the labor intensity of the driver.

B5. Inductive switch is equipped at the door of cab, when the door is open, the transmission will be locked to keep the vehicle safe.

### C. Early warning and maintenance

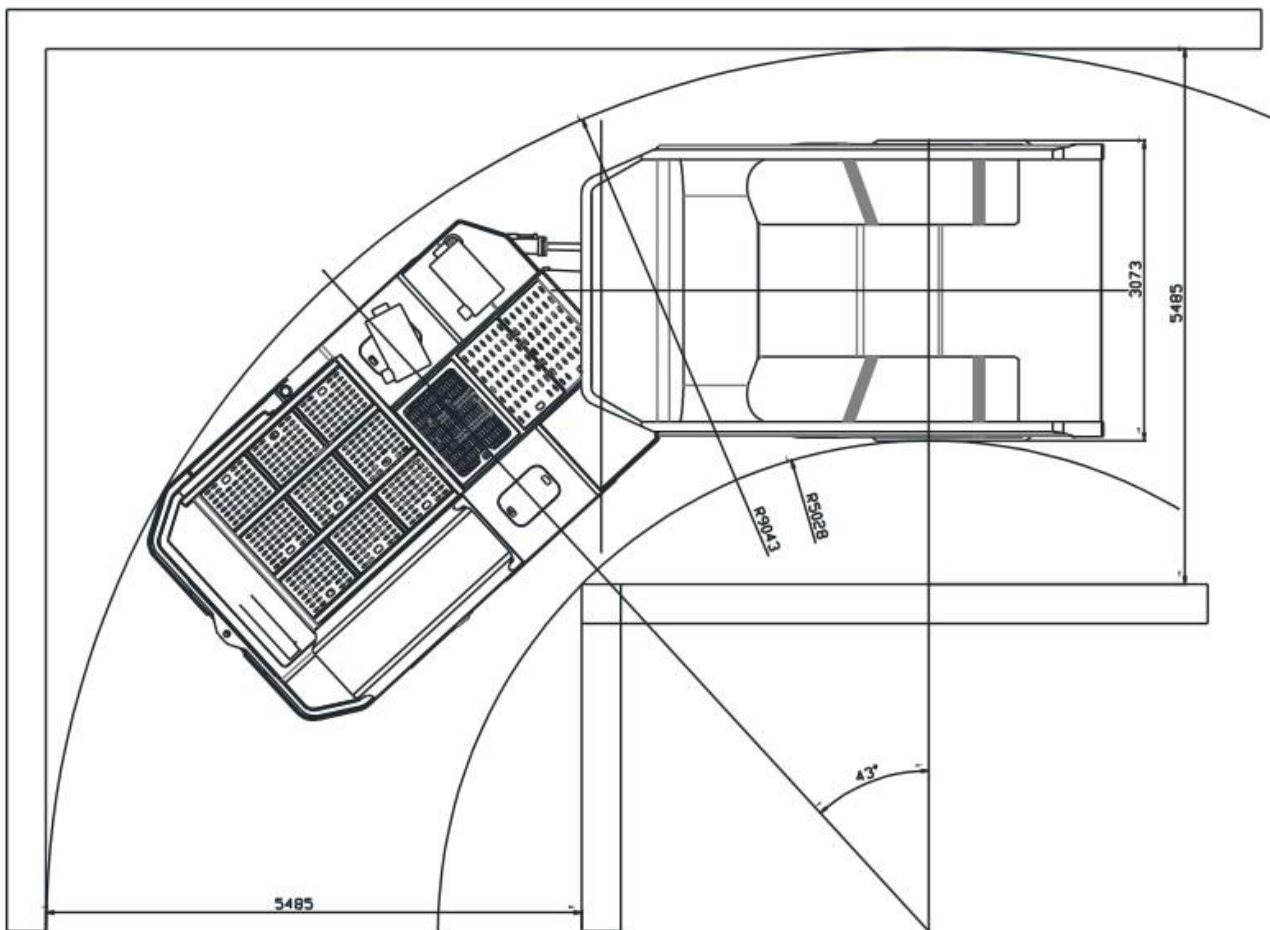
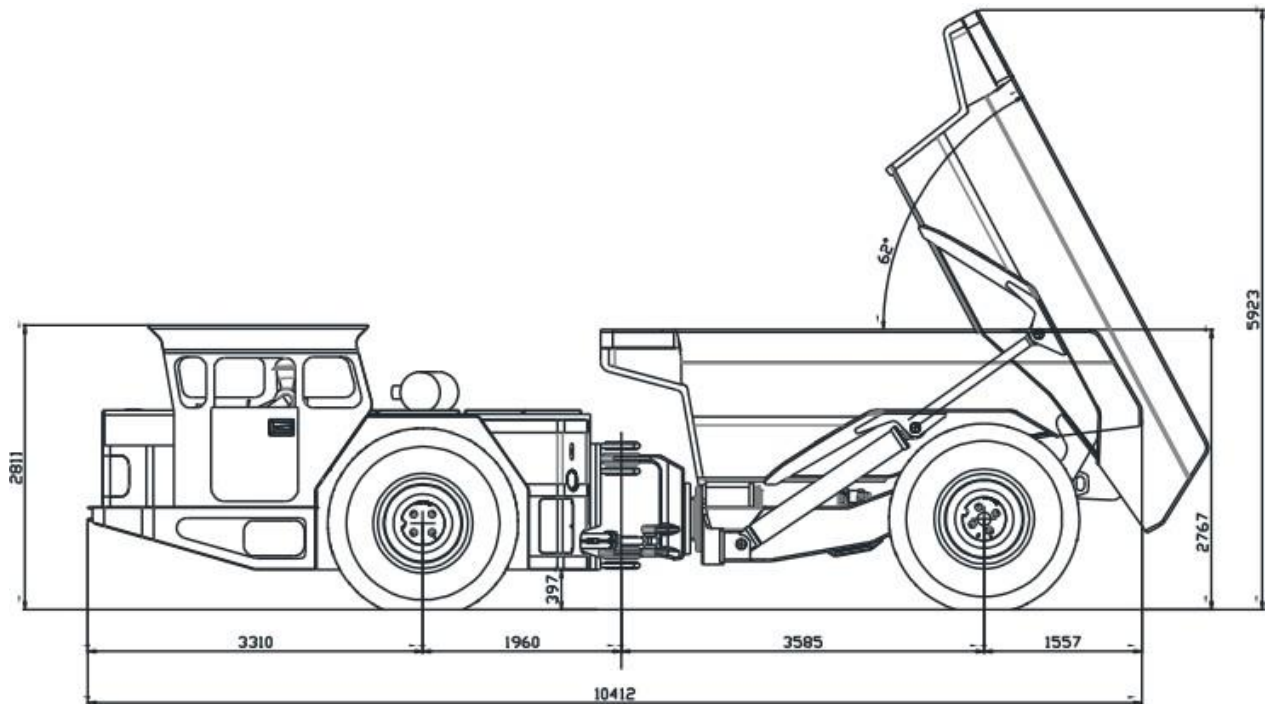
C1. Automatic alarm system for oil temperature, oil pressure and electrical system.

C2. Auto lubrication system.

## Optional

- . Remote-control.
- . Fire suppression system.

## Dimension Drawing





## Technical Specification

### Dimension

Overall Size..... 10412\*3073\*2811mm  
Min. Ground Clearance....397mm  
Max Lift Height..... 5923mm  
Wheelbase ..... 5545mm  
Turning Angle.....43°

### Capacity

Standard Bucket.....20m<sup>3</sup>  
Payload .....40000kg  
Max Traction ..... 404KN  
Clime Ability (Laden)..... 20°

### Forward Speed

1<sup>st</sup> Gear Speed.....0~6.2km/h  
2<sup>nd</sup> Gear Speed..... 0~11.2km/h

3<sup>rd</sup> Gear Speed ..... 0~19.7km/h

4<sup>th</sup> Gear Speed ..... 0~35.2km/h

### Reverse Speed

1<sup>st</sup> Gear Speed.....0~4.7km/h

2<sup>nd</sup> Gear Speed .....0~8.5km/h

3<sup>rd</sup> Gear Speed ..... 0~15km/h

4<sup>th</sup> Gear Speed ..... 0~26.7km/h

### Weight

Operation Weight..... 36800kg  
Front Axle (Empty)..... 25300kg  
Rear axle (Empty) ..... 11500kg  
Laden Weight.....76800kg  
Front Axle(laden).... 36150kg  
Rear Axle(laden).... 40650kg

## Power Train

### Engine

Model ..... Volvo TAD1650VE  
Type .....water cooled & Turbo charge  
Power... ..... 405kw / 1900rpm  
Max torque.....2757 Nm / 1260rpm  
Cylinder..... 6 in line  
Displacement..16.1L  
Emission .....EURO III / Tier 3  
Fuel Tank ..... 700L  
Air Filter..... Two stage / dry type  
Purifier..... Catalytic & silencer

### Torque Converter

Brand..... DANA

Model .....CL8000

### Transmission

Brand ..... DANA  
Model ..... 8000

### Axle

Brand ..... DANA  
Model ..... DANA53R300  
Type..... Rigid planetary axle  
Differential (Front).... Standard  
Differential (Rear) .... Standard

### Wheel & Tire

Brand ..... TECHKING  
Tire.....29.5R25 ETNT



## **Operator's Compartment**

### **Canopy**

Floor washable with water to reduce dust

Low frequency suspension seat

### **Dashboard & Displays**

Critical warnings and alarms Displayed as warning lights

Instrument Panel Electric Gauges

Instrument Panel Illuminated switches

### **Frame**

High strength welded steel structure with optimized material thicknesses

Tanks Bolted & Welded

### **Hydraulic**

Rexroth Filling pump for hydraulic oil

PARKER(USA) multi way valve

Rexroth hydraulic triplex pump (Gear Type) for working & steering

Hydraulic Joystick (Pilot) control for working & steering with PARKER

valve.Oil cooler for hydraulic oil

250L working hydraulic oil tank

Meter oil level

Hydraulically operated, center-point articulation, power steering with two double acting cylinders.

The oil flow from steering hydraulic pump is directed to bucket hydraulics when steering is not used. which can enlarge the working pressure.

Two dump cylinders.

8µm LEEMIN Filter

### **Braking**

SAHR multi-disc wet brake at each wheel. Combination design of parking, working & emergency brake.

100L braking oil tank.

### **Electrical**

Alternator 150A / 28V

Batteries 2 x 12V 195Ah

Starter 5.5kW / 24 V

Driving lights 2 in front 42W, LED lights, 2 in rear 24W, LED lights., 2 in the cable 24w, LED light