

Volvo Construction Equipment



It's a tough job...

VOLVO BM

...but somebody's got to do it better

The new Volvo BM A40 Articulated Hauler – the lowest cost per ton in forty-ton haulers. You owe it to yourself to find out why.



Picture this:

You've just been awarded that big contract you've been after. You have to move a million yards of dirt. It's been raining more often than not and the weather and the rough terrain are threatening your deadline – and your profit. You know that scrapers and rigid haulers can't handle it and you've heard that some articulated haulers aren't what they ought to be. Now what!?

Before you get in too deep, get into an A40.

Volvo's BM's new forty-ton articulated hauler is designed to move material fast. Be it muck, rock, stumps, garbage or even plain old dirt, the A40 will get it there – regardless of job site conditions. Here's how!

Speed Horses. Work Horses.

A40 has both. 395 of them. In the form of a direct-injected, turbo-charged, intercooled, 12-litre, 6-cylinder, Volvo diesel engine. Combined with some really smart electronics, load-sensing hydraulics and precise yet simple mechanics, the A40 not only gets it there faster, it gets it there for less. A lot less!

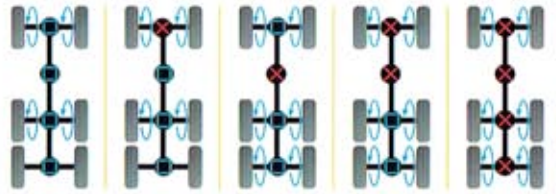
Your strong right arm - our automatic transmission.

We don't blame your operator for wanting to eliminate over 1500 shifting operations a day. That's why Volvo engineers designed the PT1760 automatic transmission. Six forward speeds and two reverse speeds move you smoothly through the day's work. A two-range dropbox lets you select the right speed group for optimum rimpull, high productivity and the efficiency we spoke of earlier.



No matter what.

When the site is muddy, the haul road steep and winding or even worse, there's no haul road at all, the A40 will deliver. The right combination of 100% longitudinal diff-lock and 100% diff-lock on the front and rear axles provide superior off-road mobility no matter how tough the job.



The down side of the story.

Getting up steep slopes is only half the story. What goes up, must come down – safely! With 40 tons on your back, you'll be happy to hear that the A40 is equipped with an ex-

haust brake which is automatically activated with release of the accelerator.

Not only that, but there is also a hydraulic retarder that is actuated via a separate pedal or by braking.

And if that wouldn't be enough, Volvo BM has selected fully enclosed, forced oil-cooled,

hydraulically-actuated, multiple disc brakes for this machine. Applied to the front axle and both rear axles, they provide excellent performance also in wet and muddy conditions.



Rough terrain? Volvo BM smoothes rough roads.

Steady as she goes with the A40. A three-point suspension system in the front end and Volvo's BM's unique bogie beams over both rear axles smooth the trail for both operator and load.

Rubber shocks throughout respond to Mother Earth's bumps and grinds much faster than hydraulic shock systems, optimizing ground contact, letting you move heaped loads quickly and safely to their destination.



Hydromechanical steering gives exceptional manoeuverability.

The A40 offers precise, accurate and responsive steering through a hydromechanical system which achieves a 45° steering angle in just 3.4 turns lock-to-lock. Your operators will love the feel, stability and repeatability over the most difficult terrain.





Home away from home - our user-friendly operator's cab.

Unlike other brand haulers, the operator's cab of the A40 was actually designed with the operator in mind. The first thing you'll note is that the roomy interior and comfortable seat are positioned directly over the centre of the front axle for less rock and roll and more visibility. The approved ROPS cab protects the operator in accordance with SAE/J1040C. Quiet in the workplace is assured by a noise

level of 76dbA (at maximum speed).

And of course all controls and instruments are placed for easy access. We even included a seat for your instructor. When you step down from the cab, you'll note that it is supported by rubber shock mounts for a smoother ride.

Our engineers have designed the A40 to be

a great place to be for a day's work. We think you'll like it.



Body Beautiful - and productive.

It looks great. But don't let that sleek look fool you. The body of this machine was built to haul material. 16 mm thick,

hardened and tempered Hardox 400 steel forms the high-impact bottom of this hauler while the sidewalls are 12 mm thick, enough to support impact loading of over 22 m³ of heaped material.

Two double-acting hydraulic cylinders raise the body to its dumping angle of 71°. Here you'll notice a clearance of 96,5 cm for dumping into hoppers, over edges or into piles. Make sure you note how easily the A40 dumps while backing up hills. Not all of our competition can do that.



Lowest cost per ton.

This is more than a slogan. It's a promise proven by the over 22,500 Volvo BM haulers - over 60% of total machine population - which have already been put to work around the world.

If you're looking to lease or buy an off road truck, consider a Volvo BM articulated hauler. Consider the load you'll be hauling, the terrain, the requirements for power, manoeuvrability, speed, traction, control, braking and above all, the productivity, safety and comfort of your operator.

Then consider an A40 from Volvo BM. Visit your Volvo BM dealer today for a closer look. You'll be glad you found out just how this great machine can back its claim of *lowest cost per ton*.

THE GLOBAL SUCCESS STORY



Volvo BM articulated haulers - a global success story

In 1963, when we introduced the very first articulated hauler to the world, we had a feeling that this was something big. Since then, we've delivered more than 22,500 worldwide.

These machines, their owners and their operators have provided us with invaluable jobsite feedback. This feedback has enabled us to refine every single component and system in the Volvo BM articulated hauler concept. These refinements now enable us to return to our customers the very best articulated haulers available anywhere.

Volvo BM now offers a wide range of articulated haulers to suite your material hauling needs – from the new A20C to the all new A40 described in this brochure.

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