## **VOLVO BM**4500



#### High production with good economy – that's the new Volvo BM 4500

High capacity and reliability on the toughest jobs are outstanding features of the new Volvo BM 4500, making it a dependable link in an efficient production chain. Volvo BM loaders have been designed and developed as a result of stringent laboratory tests and long practical experience. Advanced technical engineering and operational reliability, combined with excellent economy, enable the new 4500 to live up to all expectations of what a Volvo BM loader should be - an efficient, profitable machine. The 4500 weighs 14 tons and has an engine developing 137 kW (186 h.p.) SAE gross. Buckets with capacities ranging from 2.4 to 8 m³ (3.1 to 10.5 yd³) are available. But power and bucket size is not all that determines capacity. The 4500 is a very well balanced loader. Its engine, transmission, and working bydraulics, are designed to operate in complete harmony. From his comfortable cab, the operator can utilise the Volvo BM 4500's resources to the full, so achieving very high productivity in relation to the machine's size. This has been proved in practical tests. The new 4500 is therefore a very sound investment - built to satisfy the highest demands, on economy and productivity.







# Equipped for hard work. Easy to operate and care for.

Loading haulage vehicles; feeding, crushing and sorting plants; loading and hauling over long distances; dozing and grading – these are natural tasks for the Volvo BM 4500 – because of its speed, reliability and stability. The 4500 has high capacity, but it also has good overall economy. Low operating costs and low maintenance requirements see to that. It is also well equipped and versatile, making it a pleasure to operate.

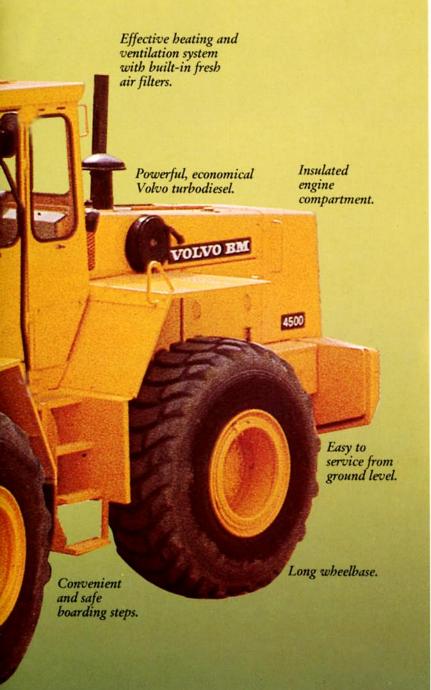
Volvo BM's ROPS tested safety cab.



Heavy-duty axles with large wheels.



The 4500 offers high capacity, even over long-haul cycles. Its long wheelbase and good weight distribution maintains stability at high average speeds.



#### Simple servicing leaves more time for productive work

The Volvo BM 4500 is designed throughout for easy servicing. This leaves more time for productive work, resulting in greater economy for the owner and greater job satisfaction for the driver.



The engine's large air Easy access for check-



filter is easy to inspect ing and topping up
the transmission oil transmission



easy to inspect.



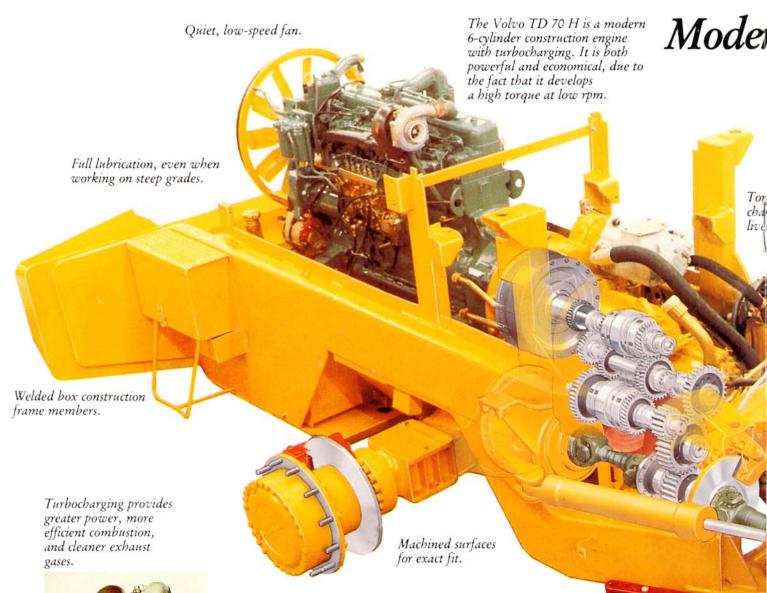
Well protected batteries All lube points have easy access from ground



The well-insulated engine compartment has large doors giving good access to engine and radiator.



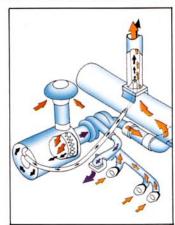






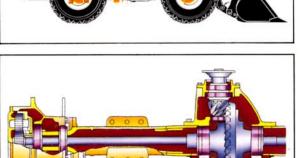


Articulation j made to withstand heavy stresses.

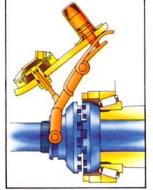


Effective air cleaning:

- Cyclone filter with ejector discharge (80 % cleaning)
   Main filter
- 3. Catch-all filter



The power pack is positioned to give good weight distri-bution and to provide a low centre of gravity. Add to this its long wheel base between fully floating drive axles and you can see why the 4500 is inherently stable.

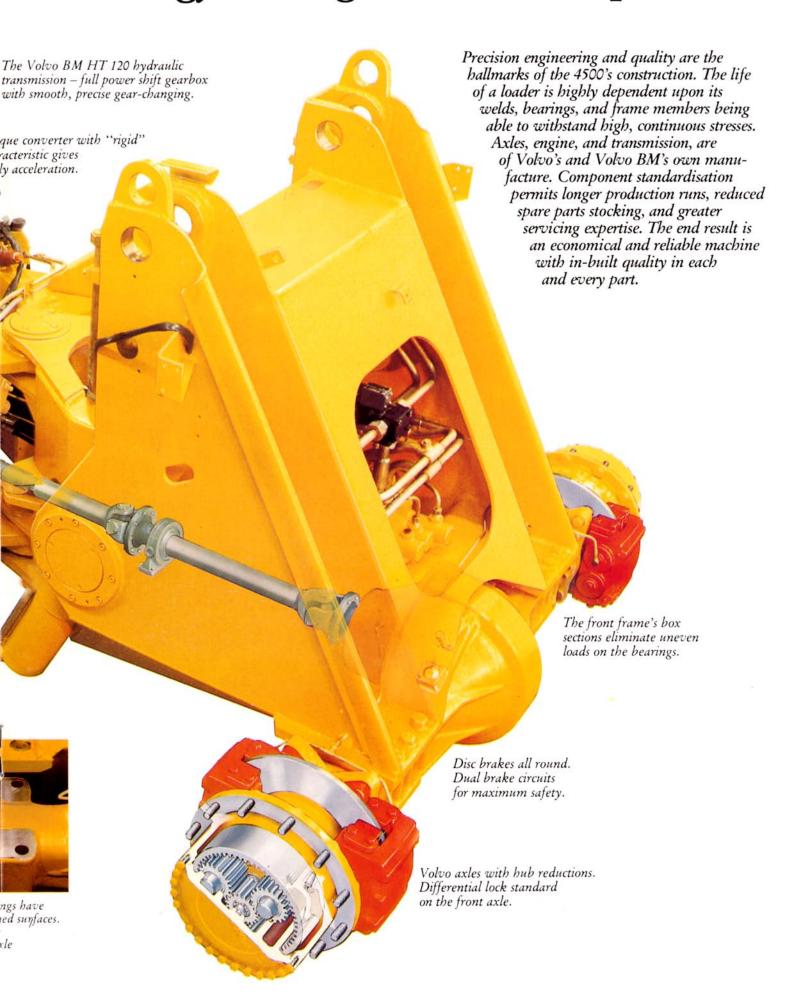


The differential lock, operated by compressed air, gives 100 % lock-up.



The axle mounti precision-machin Six bolts on each side secure the a: to the frame.

### rn technology and high standard components













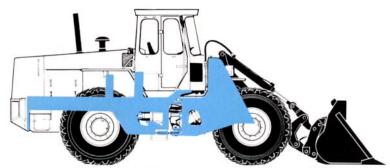


4500: reliability, durability and peace of mind



#### for owners





Frame members and lifting framework are also subjected to extensive rig testing. Precision engineering and high quality materials ensure long life. Each component is carefully designed and perfectly suited to its purpose.



The heavy duty articulation joint is designed with widely opposed bearing mounts to withstand heavy stresses.



Bearing mounts are machined in boring machines. This ensures the perfect fit and alignment necessary where powerful forces will be applied.

For a loader to have high reliability and good operating economy, thousands of parts must interact perfectly in a highly complex system. Reliability is something for which Volvo BM is renowned. This fact is substantiated time and time again by the way Volvo BM machines perform in the field worldwide.

The foundation of the machine's success is laid in Volvo BM's test laboratories and practical test areas.

Large components that will have to withstand high stresses are fatigue-tested in test rigs. The test programmes are designed to simulate the most extreme working conditions. Engines are run day and night under heavy overload to ensure that the mass-produced product meets the highest standards of reliability – with ample margin. The most advanced instruments trace both external and internal noise, so that technicians can analyse thier findings, and make adjustments and improvements to give you the best product possible.

When prototypes and preliminary production runs have been approved, mass production is begun. Volvo BM has modern factories with highly advanced equipment and highly qualified personnel. This, together with a rigorous quality control system, ensures a final product that you can depend on.

The 4500 gives the operator a safe and comforta



## ble working environment





Volvo BM cabs provide a working environment to meet high demands.

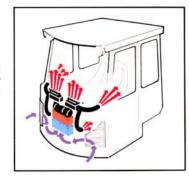
- ROPS-tested and approved
- Ergonomically located instruments and controls
  Safety rails, handles, and practical boarding steps
  Unhindered passage through either door
  Rear window and roof hatch can be used as exits

- Efficient sound-insulation
- Pleasant interior



Upholstered, fabric covered operator's seat, individually adjustable for optimum driving comfort.

Heating and ventilation system with pre-filtered air to give pleasant working conditions, at any time of the year.



Electrohydraulic gear with all functions on one lever. Easy gear-changing with short, positive movements.









**VOLVO BM** 

**VOLVO BM AB ESKILSTUNA** 

The manufacturers reserve the right to change specification or design without prior notice. Illustrations do not necessarily show the machine in its standard version.