

New Michigan L150.



Muscle and Brains.

MICHIGAN





The Perfect Combination.

The Michigan L150 is a completely new heavy weight in the 5.0 yd³ class, specially designed for demanding rock and gravel handling.

This wheel-loader is packed with new features and finesses such as a totally new loader unit with unique capabilities, a new cab with superior visibility, and an electronic monitoring system which gives continuous feedback on the overall condition of the machine.

The L150 represents a major leap forward when it comes to loader engineering. New engineering solutions provide power, precision and efficient utilization of the machine's resources.

Concern for the operator has led to a safer, more comfortable and ergonomical working environment which facilitates the work at hand and helps boost productivity.

The new Michigan L150 is the perfect combination of power, smoothness and intelligent design.





Muscle and Brains.

One of the most innovative features of the new Michigan L150 is the new loader unit, Torque Parallel linkage. This is a unique design which combines the advantages of Michigan's parallel system and the Z-bar linkage.

Torque Parallel linkage offers a completely new loader unit geometry. Thanks to a special T-link in the loader unit a high breakout torque is achieved throughout the entire lifting range. This is a unique feature which dramatically boosts productivity.

In addition, Torque Parallel linkage works with parallel action for more effective handling and a minimum of spillage.

The powerful hydraulics and the mechanical stops mean that you hold the bucket in

an iron grip during load and carry, and it's easy to rid the bucket of troublesome material when dumping.

The drive train with Volvo BM Automatic Power Shift matches the hydraulics perfectly. This means effective penetration without reducing the breakout torque. And for reasons of safety, it is equipped with oil cooled sealed wet disc brakes - an important detail when driving regularly with heavy loads at high speeds.

The L150 is built for efficient handling of heavy material in extremely demanding environments. It combines power and dexterity making it as easy to operate as a car. It's the perfect combination of muscle and brains.





Made To Maximize Uptime.

The art of making a Michigan loader productive and serviceable begins at the design stage. Service specialists work side-by-side with designers to adapt the loader to the rigorous demands placed on operating safety.

The lift-up radiator hood and swing-out radiator are noteworthy examples. Thanks to these unique features it's easy to keep the radiator clean, even in dusty and demanding working conditions.

All service and check points are highly accessible thanks to the large engine panels. In addition, all of the lubrication points are positioned so they can be reached easily from the ground.

The electronic monitoring system, Con-
tronic, enables the service personnel to make a

speedy diagnosis of the loader's condition. This is carried out via a special service information panel from which they can follow the machine's current status. Problems which arise can thus be detected early and corrected immediately so the machine can quickly return to active service.

The L150 makes it possible to maintain a high work tempo with an absolute minimum of downtime. The L150 is built for operational reliability.





Human Care For Productivity.

Good comfort and safety contribute to better productivity. Features which are shared by all Michigan machines. And the L150 is no exception.

Panoramic visibility is just one example of this. The large, curved front windshield and wide rear window, both equipped with broad sweeping wipers, provide perfect visibility regardless of the weather. Looking out the front you have an unobstructed view of the bucket, and a clear view of both the wheels and counterweight to the rear.

The new state of the art cab, is a safe, comfortable, well-designed working environment. All controls are positioned within easy reach and the pilot-manuevered hydraulics are finger-tip controlled.

Gear changes are made with the Volvo BM Automatic Power Shift, the world's first automatic transmission for wheel-loaders.

Continuous monitoring of the machine is done by the new Contronic monitoring system. The system provides you with continuous, descriptive information on the condition of the machine via a display mounted on the instrument panel.

Through its six-program, five language menu, Contronic also has diagnostic capabilities as well as capacity data.

The L150 is built for high productivity which means that it is designed with the operator in mind.

Technology For Working Satisfaction.

Michigan Torque Parallel linkage. New loader unit which combines high break-out torque in all positions with parallel action.

New attachment system. The bucket shape is specially adapted for the Torque Parallel linkage, with improved filling characteristics and longer life.

Volvo BM Automatic Power Shift is a standard feature of the Contronic system.

Fully floating axles with 100% front differential lock increases traction.

Service and inspection can be conducted from ground level thanks to lowered lubrication points.

The tilt and boom kick out. The bucket and loader arm stop at pre-designated positions which are activated from the instrument panel.

State of the art cab. The all-new ultimate in cab comfort with a panoramic view in line with the demands of tomorrow.

The Volvo BM transmission makes the most of your engine's power.

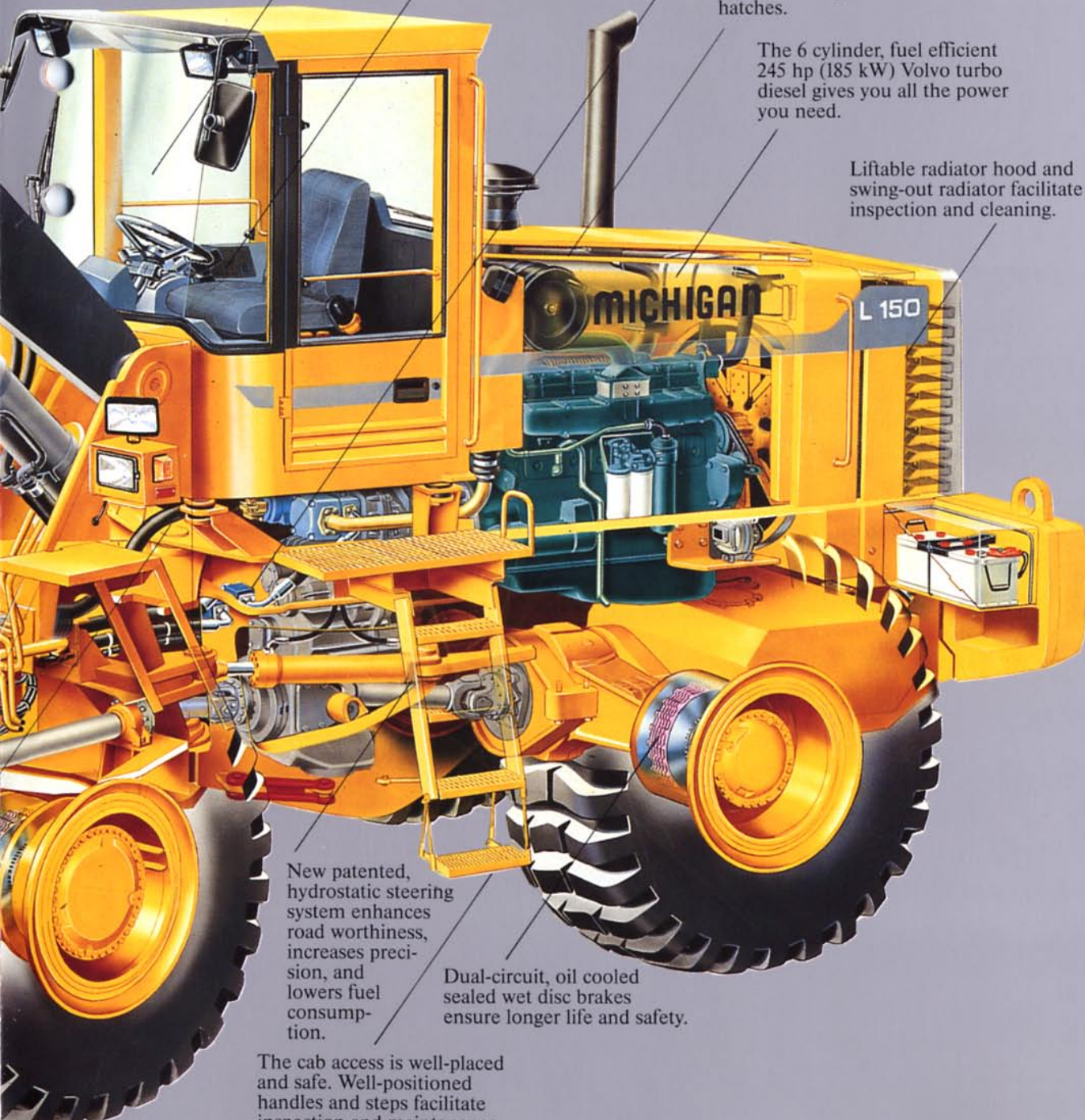
Pilot controlled hydraulic system with short levers and low lever forces facilitates operation.

Contronic - an electronic monitoring system that continuously monitors the machine's condition.

The engine compartment offers easy service access thanks to the gas strutted hatches.

The 6 cylinder, fuel efficient 245 hp (185 kW) Volvo turbo diesel gives you all the power you need.

Liftable radiator hood and swing-out radiator facilitate inspection and cleaning.



New patented, hydrostatic steering system enhances road worthiness, increases precision, and lowers fuel consumption.

Dual-circuit, oil cooled sealed wet disc brakes ensure longer life and safety.

The cab access is well-placed and safe. Well-positioned handles and steps facilitate inspection and maintenance.

Experience – The Difference.



An entirely new cab to meet tomorrow's demands for a good working environment and high productivity. The cab is spacious and comes with large windshields. All interior panels are covered with sound-absorbing materials in coordinated colors.



A wide door with a wide opening angle and slip-free ladder with 15 degree incline make entering and leaving the cab effortless. Well-positioned handles and footsteps on both sides of the machine facilitate inspection and maintenance.



The seat, steering wheel, pedals and controls are ergonomically well-placed. The seat is adjustable to suit the weight of the operator and the wheel can be tilted and moved up or down. The cab enables every operator to find the perfect driving position.



All necessary information can be found on the new instrument panel. Here you also find the Contronic display, which provides a continuous read out on the machine's condition. The key operated engine cut-off is of course standard.



The efficient climate control system with replaceable air filters, gives you the ideal working temperature in all possible conditions. A total of 14 adjustable vents, including a 4-speed fan, circulates dust-free air evenly throughout the cab.



The hydraulics are finger-tip controlled. And there's even a control for forward and reverse*, kick-down and engine braking/downshifting on the hydraulic console so the operator needn't move his hands.



Large windows and the loader units "clean" design allows for good visibility over the loader's bucket and wheels. Positioning of the exhaust pipe and rear wipers give clear rear window visibility.



Large, easily adjustable rear-view mirrors ensure good rear visibility. The mirrors are positioned high so as not to block forward visibility. The L150 gives the operator complete control over his surroundings.



The new loader unit Torque Parallel linkage is designed for demanding production work such as quarrying. Torque Parallel linkage brings together the best from Michigan parallel-system with advantages from the traditional Z-bar linkage.

* optional equipment



Torque Parallel linkage gives both high breakout torque and parallel action within the whole lifting range. High, controlled tilt speeds contribute to short cycle times and a minimum of spillage.



The standard bucket is specially adapted for the carrying position and is held in place against the mechanical stops by substantial hydraulic forces. This provides very good stability and a minimum of spillage during load and carry work.



High positioned loader arms with a long reach facilitate loading onto high-sided vehicles. The adjustable, boom and bucket kick out mechanism automatically assumes the proper position for a level bucket and the optimum height for dumping.



The fuel-injected, 245 hp (185 kW) turbo engine with a maximum torque already at 1200 rpm delivers plenty of power and low fuel consumption. A large radiator and the water-cooled transmission oil makes the machine extra resistant to heat.



The countershaft transmission, as with other Volvo BM transmissions, is equipped with Automatic Power Shift. Gear changes are controlled electrically and the operator only needs to choose forward/reverse or kickdown.



Fully floated axles. The front axle with 100% differential lock, including sealed wet and cooled disc brakes provide a high degree of safety and long life.



The rear axle can oscillate 15° without shifting the machine's center of gravity. This rear axle oscillation also means that all the wheels remain in contact with the ground even when operating in uneven terrain.



Quick and easy maintenance ensures more reliable operation. That's why all lubrication and control points have been positioned for easy access from the ground. Sealed bearings also help to increase operational safety and longer life.



Large, gas strutted hatches for the engine compartment facilitate service and inspection. The large radiator hood and the swing-out radiator give easy access to the radiator from all sides for cleaning.





Ready For Top Performance.

Never before have you been able to work with such power, precision, comfort and safety, as with the Michigan L150, the wheel-loader with both muscle and brains.

The new Torque Parallel linkage gives it the muscle. Here you'll find the unique combination of high breakout torque in all positions and parallel action.

The brains come in the form of the many functional features and system design. The finger-tip, pilot-manuevered hydraulics, the automatic transmission and the bucket kick out mechanism are just a few examples. All in all, advanced engineering which makes those heavy jobs easy as can be.

Contronic provides you with continuous written information on the machine's condition.

Contronic simplifies service. Thanks to its built-in, service-friendly design, the L150 bounces back quickly from repairs and maintenance.

Add to that the all-new state of the art cab and you've got an operator environment that's second-to-none. The cab is ROPS/FOPS certified, has large windows which give panoramic visibility, good sound-proofing and ventilation and cab filters which provide the right working temperature and fresh air no matter what the conditions are like outside. That makes for a highly productive working environment.

The new Michigan L150 is the ultimate in wheel-loader technology. A wheel-loader engineered with tomorrow's technology for today's demanding quarrying and gravel handling jobs. A wheel-loader that's ready to out-perform your wildest expectations!

Michigan L150



Experience the difference engineering makes.
Test drive one today!

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