

Mack M-30 X

30-TON HEAVY-DUTY DUMPER
FOR MINING, QUARRYING
AND CONSTRUCTION



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Body and hoist features

Full welded high tensile steel rock body of time proven design has 100,000 lb. psi yield strength, 20 cu. yd. struck capacity and includes these features: alloy steel floor for reduced weight, new box section canopy side structure, and closely spaced box sec-

tions cross members and side bolsters. Heat, when specified, circulates through all longitudinal cross members, bolsters and baffle plate areas. Extra capacity twin double-acting outboard mounted 2-sleeve telescopic hoists assure dependable performance under the most rugged operating conditions. Dumping angle is 60°, pumps have high volume capacity (39 gal. per minute at 1200 rpm and 1500 psi) and are made to close dimensional tolerances which insure long effective life. Hoists are mounted to deliver full lifting power without putting transverse stresses on frame.



PLAINFIELD, N.J.

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Mack's



Driver comfort is assured by convenient arrangement of controls and instruments, as well as adequate ventilation in this roomy cab offset to the left, thereby providing excellent vision both fore and aft and to the sides.

Adequate cooling under the most rugged and adverse operating conditions is effected by this giant continuous-finned flat-tube type radiator with a frontal area of over 1500 square inches.



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matchless new off-highway unit



Rugged, fabricated alloy-steel frame employs wide flange I-cross section and is reinforced with five cross-members. Cross-members are also of the I-section design which gives desirable torsional flexibility while providing ample strength. Frame affords a liberal safety factor even under the most arduous working conditions.

Modern in design, the new, bold lines of the Mack M-30X Model mark it as a truly functional heavy-duty dumper for the mining, quarrying, and construction industries where huge loads are commonplace. Cab's reverse-slope windshield reduces glare and reflection...reduces dust and dirt accumulation. Cab doors are piano-hinged for maximum strength, and the cab interior is double-vented for driver comfort. Commanding view both fore and aft afforded by the new offset cab for faster cycling and easier spotting—front slope affords maximum freedom of movement for operator. Combination of offset and front slope permits advanced mounting of cab, thereby providing shorter front axle to back-of-cab dimension. This allows body to be moved forward resulting in optimum front axle loading.



Simplified maintenance of air cleaner is afforded by readily accessible mounting on right hand side of cab. Unit is fully protected by cab canopy.

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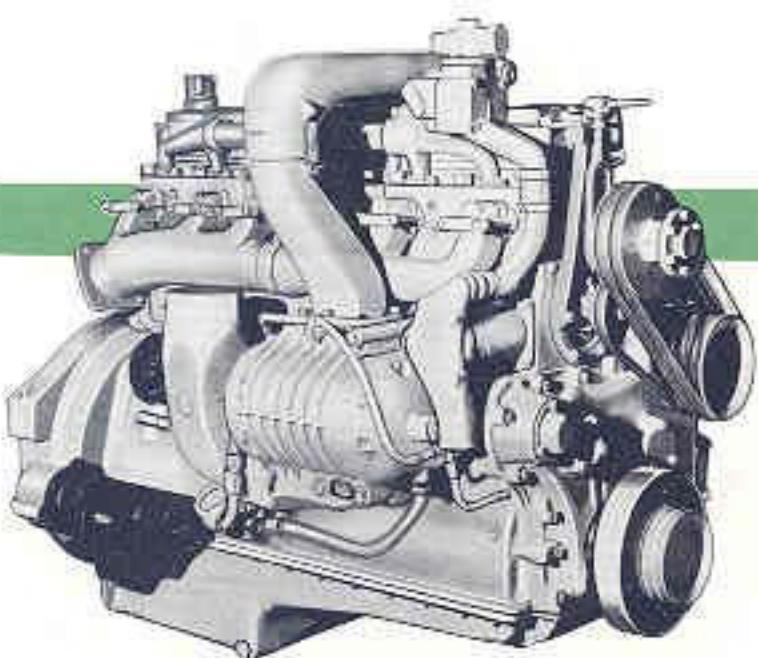
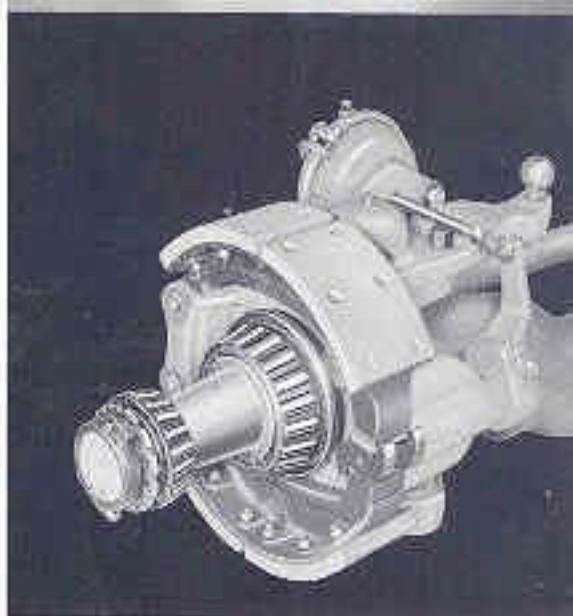
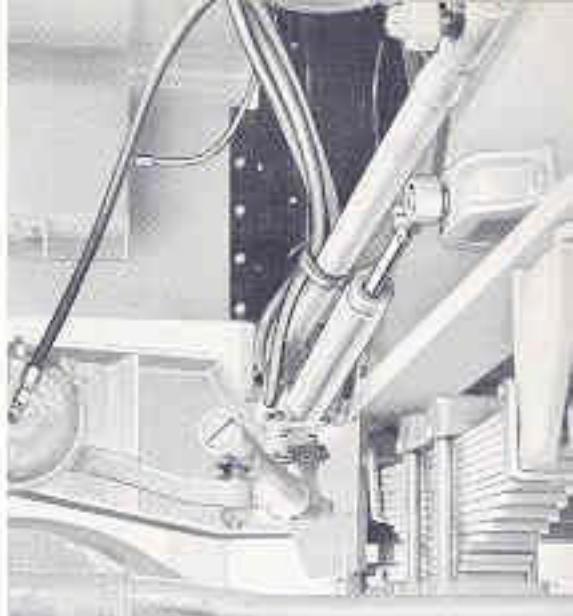
Ultimate in handling ease is achieved by time-proved hydraulic steering powered by twin cylinders—one located on each side of frame.

Husky and sturdy new front axle



...increases payload capacity and assures maximum stability and strength with its 7" diameter by $\frac{3}{4}$ " wall thickness tubular construction and tread of 107". Weighing more than 2300 lbs., the reversed-elliot FA-900 Mack front axle will withstand the most rugged extra-heavy duty service.

Compact and rigid construction is apparent in this close-up of wheel spindle and brake. Front brakes are air-actuated, each brake served by a chamber mounted on the axle close to the brake for protection.

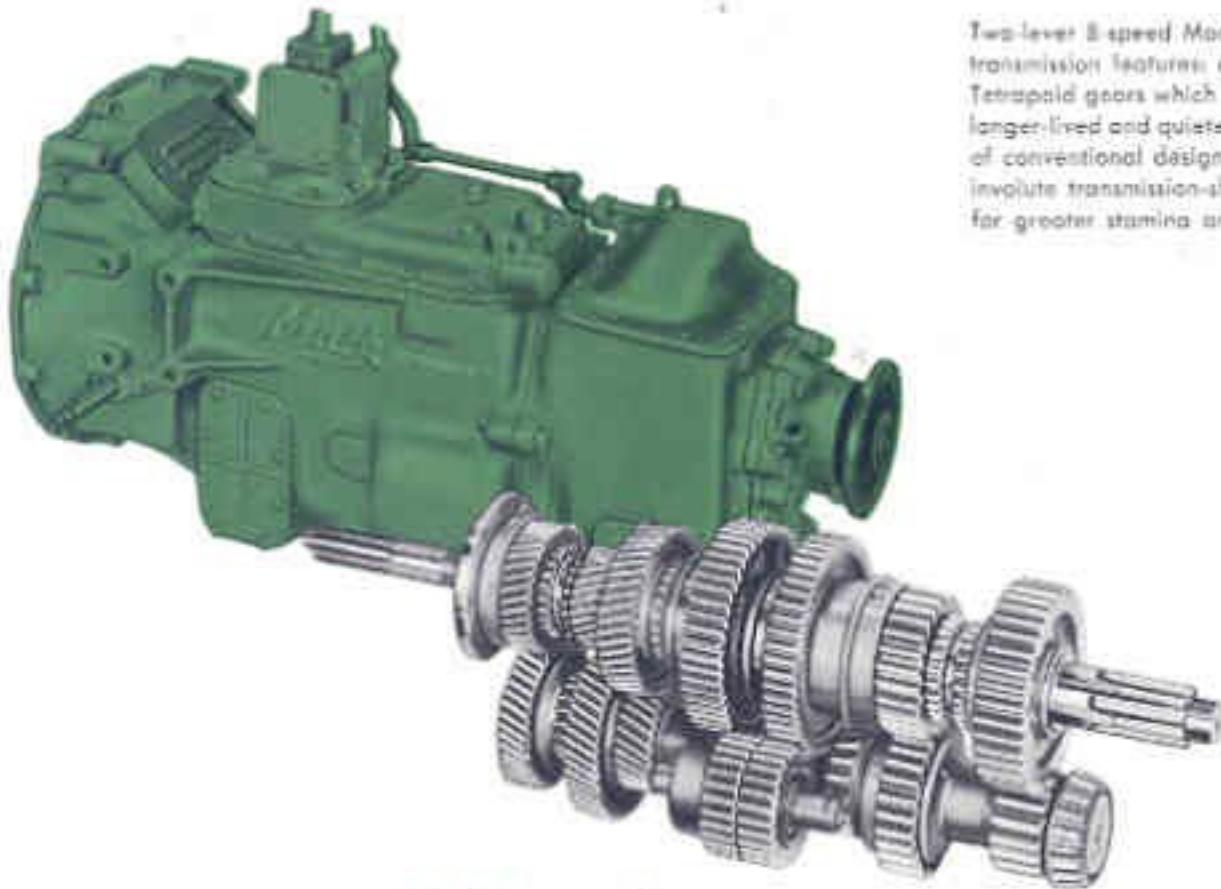


Power to spare is assured by the naturally-aspirated 6-cylinder Diesel engine which develops peak torque of 865 ft. lbs. @ 1600 rpm and 320 hp @ the moderately governed 2100 rpm. Standard equipment includes dry type air cleaner, full-flow lubricating oil filter and a mechanical fly weight type governor.

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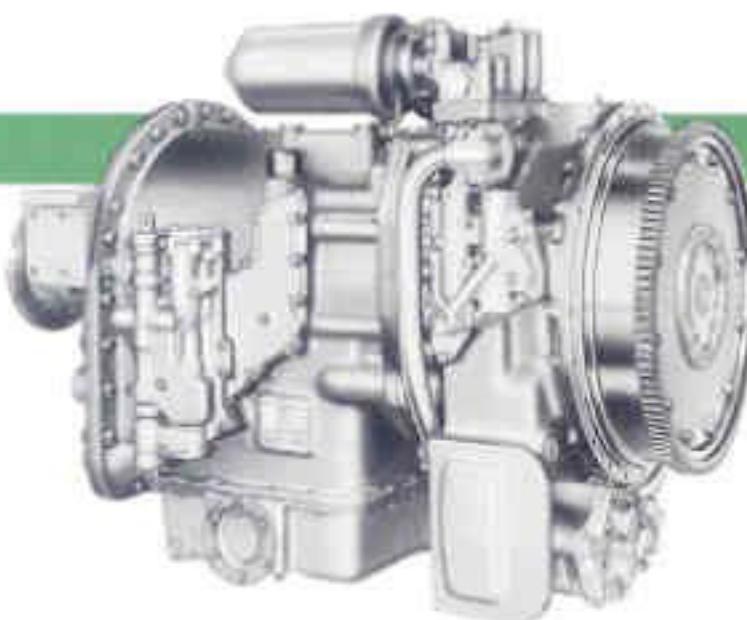
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Two-level 8 speed Mack Duplex transmission features exclusive Tetrapoid gears which are stronger, longer-lived and quieter than those of conventional design, as well as involute transmission-shaft splines for greater stamina and durability.

Mack transmission **light, simple, compact, easy to maintain**

Proper lubrication even under the most severe service is assured by another Mack exclusive—oil is pressure fed through drilled mainshaft to bushings of free-running gears. Two-plate dry air-assist clutch with an area of 416 sq. in.



Mack M Model may be equipped with an optional Torqmatic transmission and optional Torqmatic brake. This semi-automatic hot shift transmission assures smooth torque multiplication, thereby providing faster time cycling and reduced driver effort. The Torqmatic brake provides dynamic braking in any gear range, saves wear and tear on service brakes, thereby increasing vehicle availability.

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