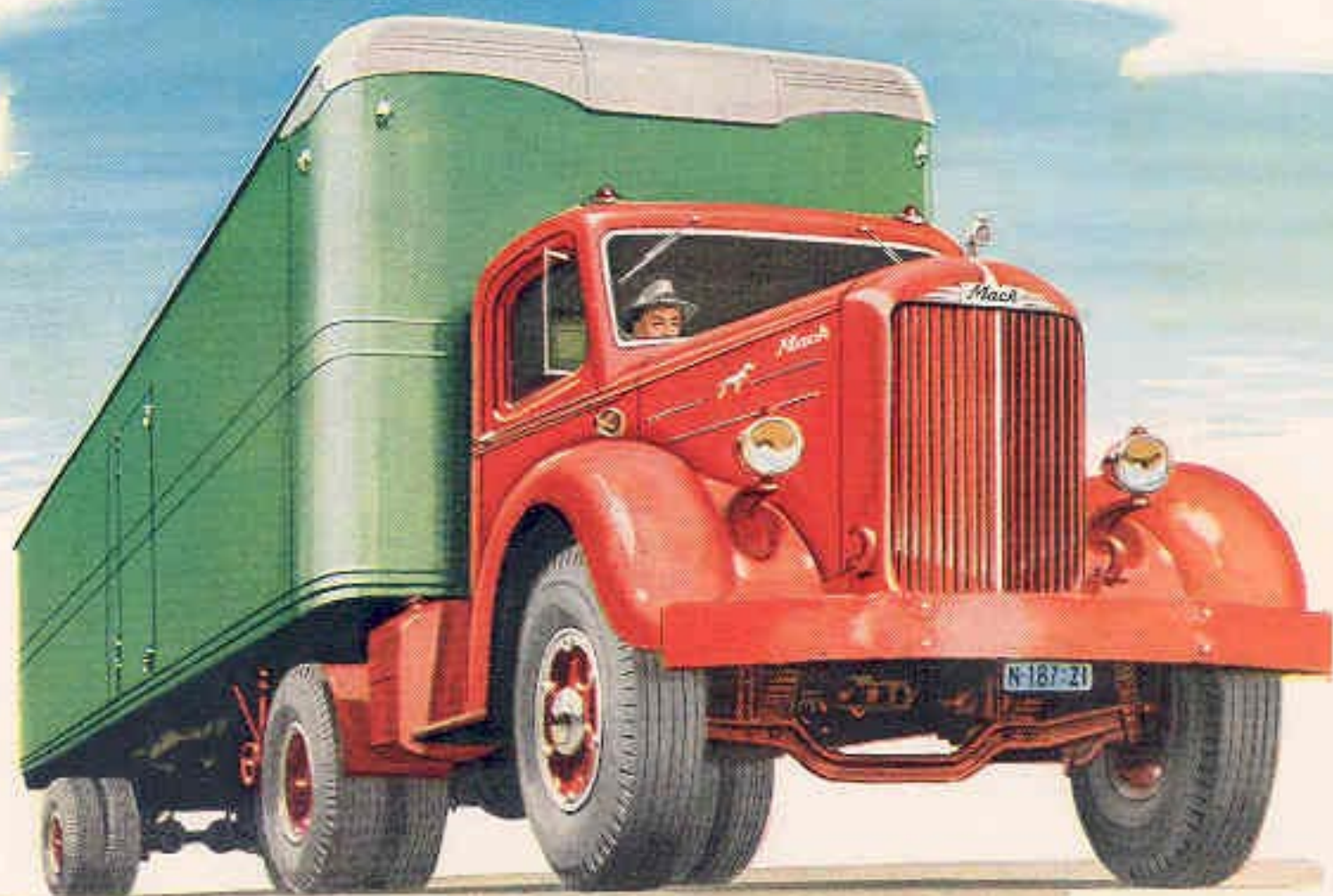


Mack

1951

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50



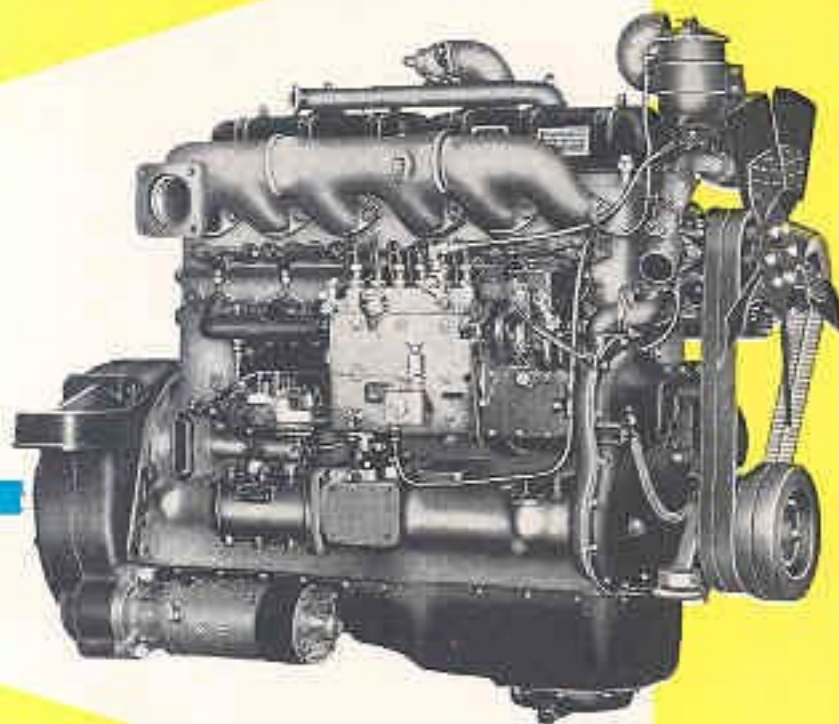
truck or tractor . . . gasoline or diesel

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Mack Diesel Power

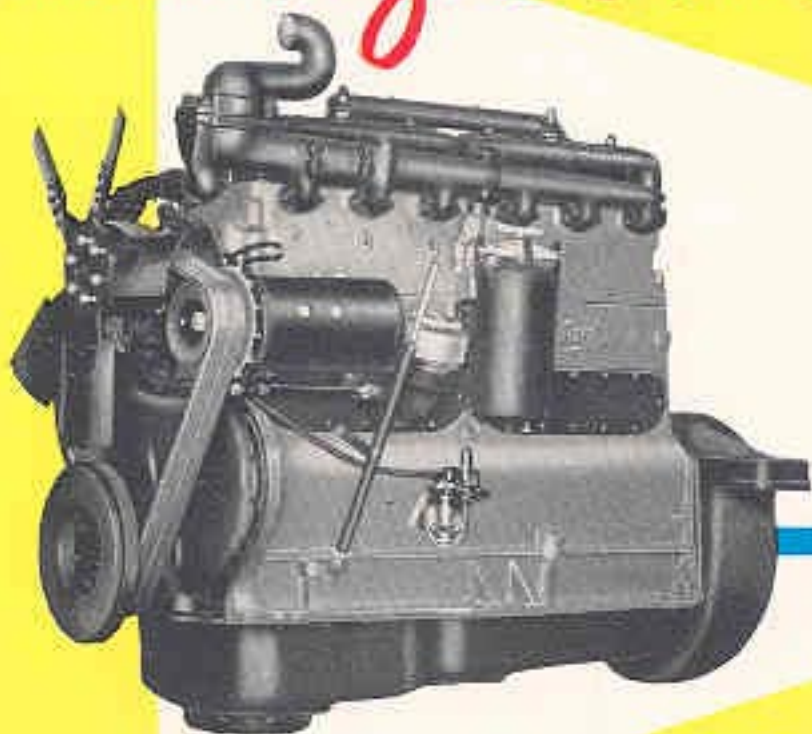


● Designed specifically for the operator who can use diesel power to advantage, Mack's END-510 Diesel engine offers exceptional economy through high mileage per gallon and low-cost diesel fuel. Built by Mack exclusively for the A-50 series, the advanced design of the END-510 Diesel engine slashes routine maintenance costs to a new low. Its time-proved energy cell and combustion chamber design, together with the four-stroke cycle operating principle, achieve controlled combustion and lower peak pressures to provide smooth, sustained power at all speeds. The exclusive Mack Synchronance automatic injection advance assures easy starting, quiet operation and utmost power at every speed. Complete coordination of this powerplant with the A-51 chassis produces a perfectly balanced unit. As a result, the Mack diesel-powered A-51 establishes a wholly new standard of efficiency, performance and economy.

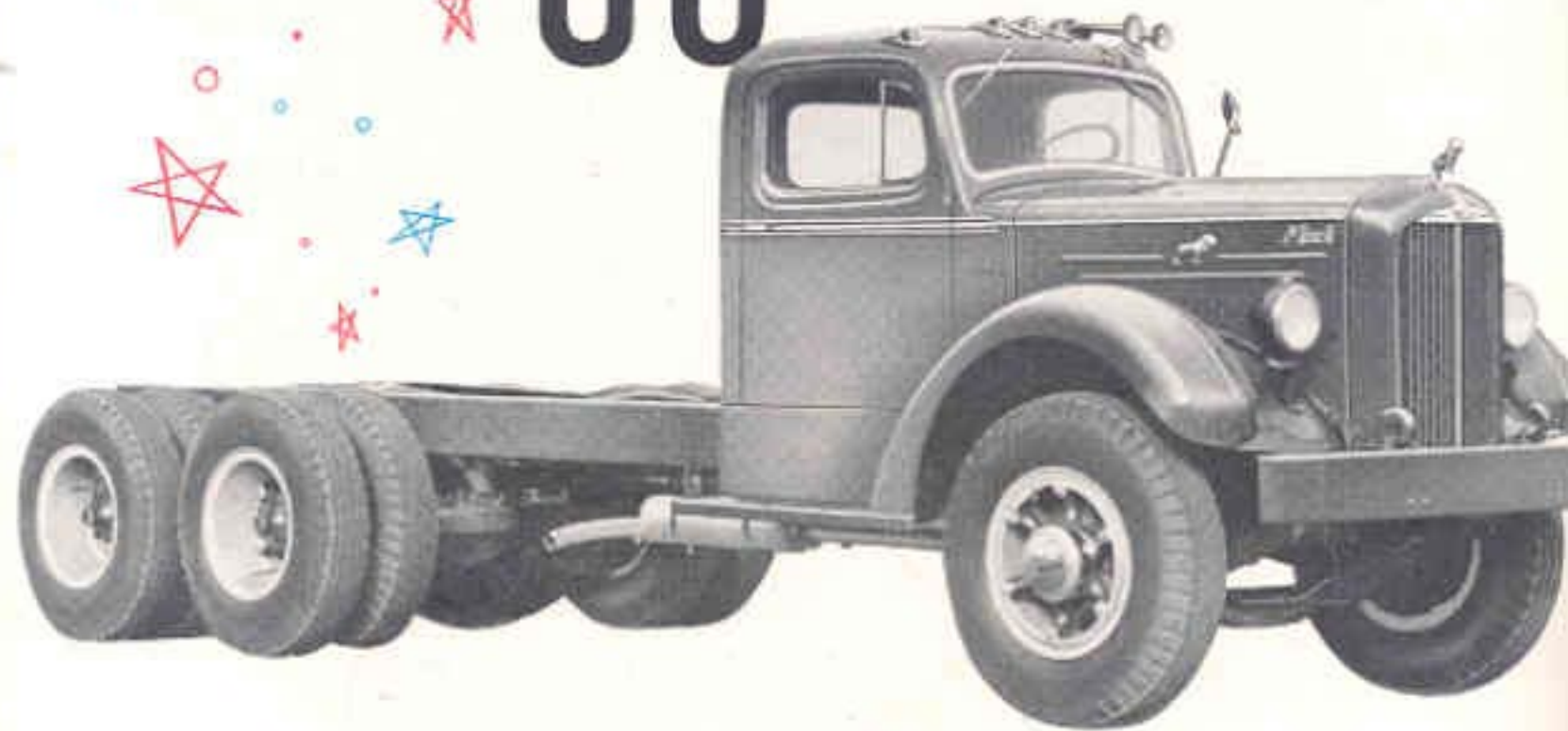
Mack Thermodyne Power

● Outstanding in power delivery for its size, this 431-cubic-inch Thermodyne engine meets an insistent demand for high performance in the Model A-50 series. Incorporating all of the distinctive features which have established the enviable reputation of Thermodyne engines for dependable stamina and thrifty operation, it is notable for its smoothness and eager power.

Extra-long pistons and rods; extra-deep water jackets and heads; completely counterbalanced, electrically case-hardened crankshaft; hollow crankpins; diagonally split, tongue-and-groove-locked connecting rod caps; close cylinder-head stud spacing and many other structural features account for its dependable endurance; while its highly-developed porting, manifolding and combustion chamber design account for its phenomenal power and economy.



50 Star Performers



model A-50 series
four-wheel tractor
six-wheel truck
mack gasoline or
diesel engines

40,000 lbs. g.v.w. to 45,000 lbs. g.v.w.



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Mack... Features... cut costs... boost profit



Handsome appointed cab, the last word in driver comfort, is three-point mounted with rubber insulators at two front mounts. Adjustable driver's seat is of multiple-coil spring construction with foam rubber cushion top. No-draft, wing-type ventilators. New instrument panel with all controls scientifically positioned for greater visibility and convenience. Built-in ash tray, cigarette lighter and spacious glove compartment.

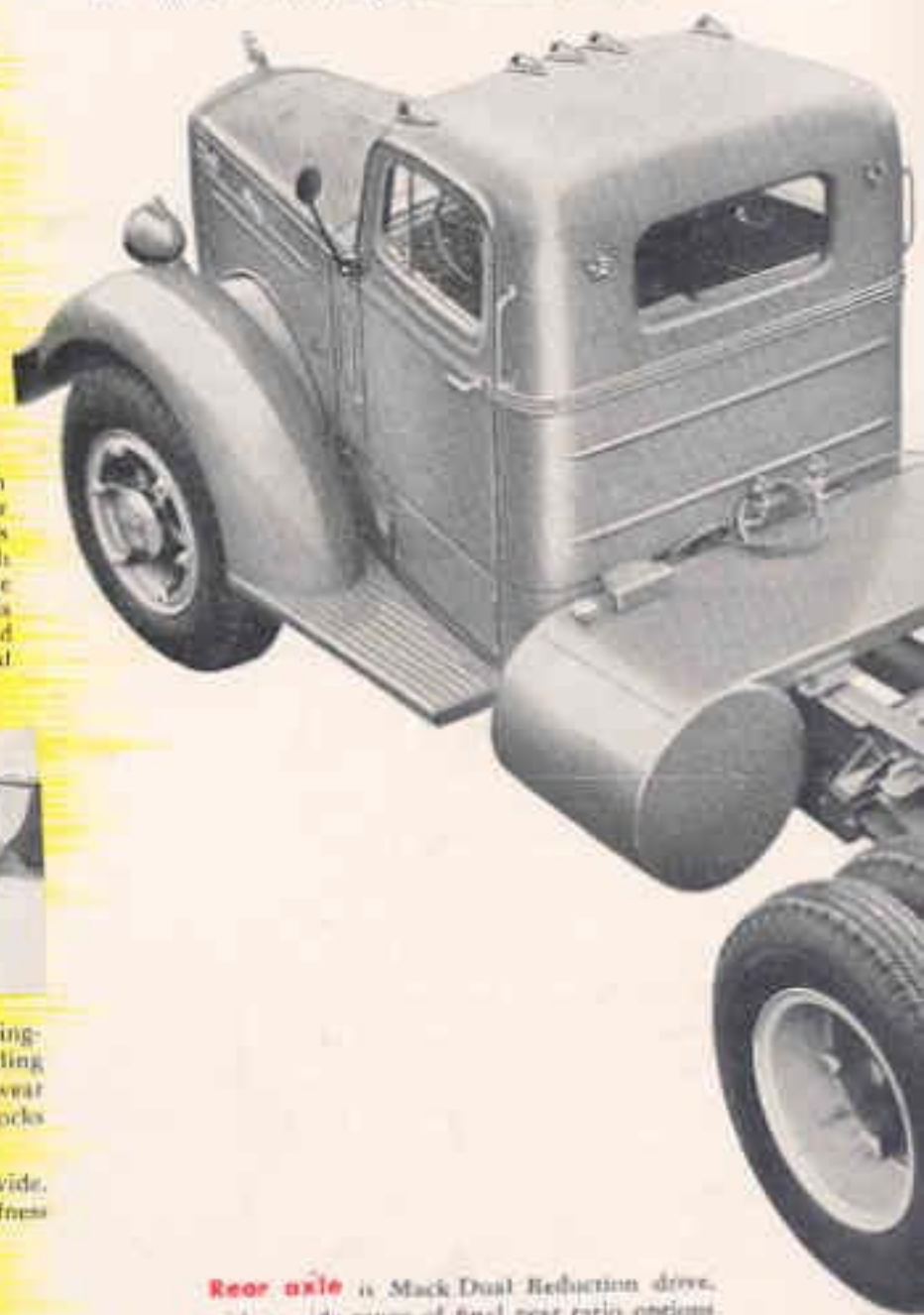


Mack rubber Shock Insulators mount the spring ends to the frame, eliminating spring-twist, rattling and lubrication at spring-ends. Maintenance and wear are reduced; chassis is protected against road shocks and vibration.

Mack Box-girder Crossmembers with wide, jaw-type ends, provide unequalled frame stiffness against bending, twisting and weaving.



Rear axle is Mack Dual Reduction drive, with a wide range of final gear ratio options to meet different speed and gradeability requirements. For greater stiffness and strength the axle housing is one-piece swaged steel tube-type with integral spindles. Shafts have greater resistance to shock because they have involute splines and are graduated heat-treated. Both are exclusive Mack features.



Model A-50 series chassis combines clean-cut simplicity with typical rugged Mack construction. Deep-section frame is braced by heavy cross-members of exclusive box-girder design. Torsional rigidity and beam strength are exceptionally high. The A-50 chassis are built with extra margins of stamina, strength and durability.

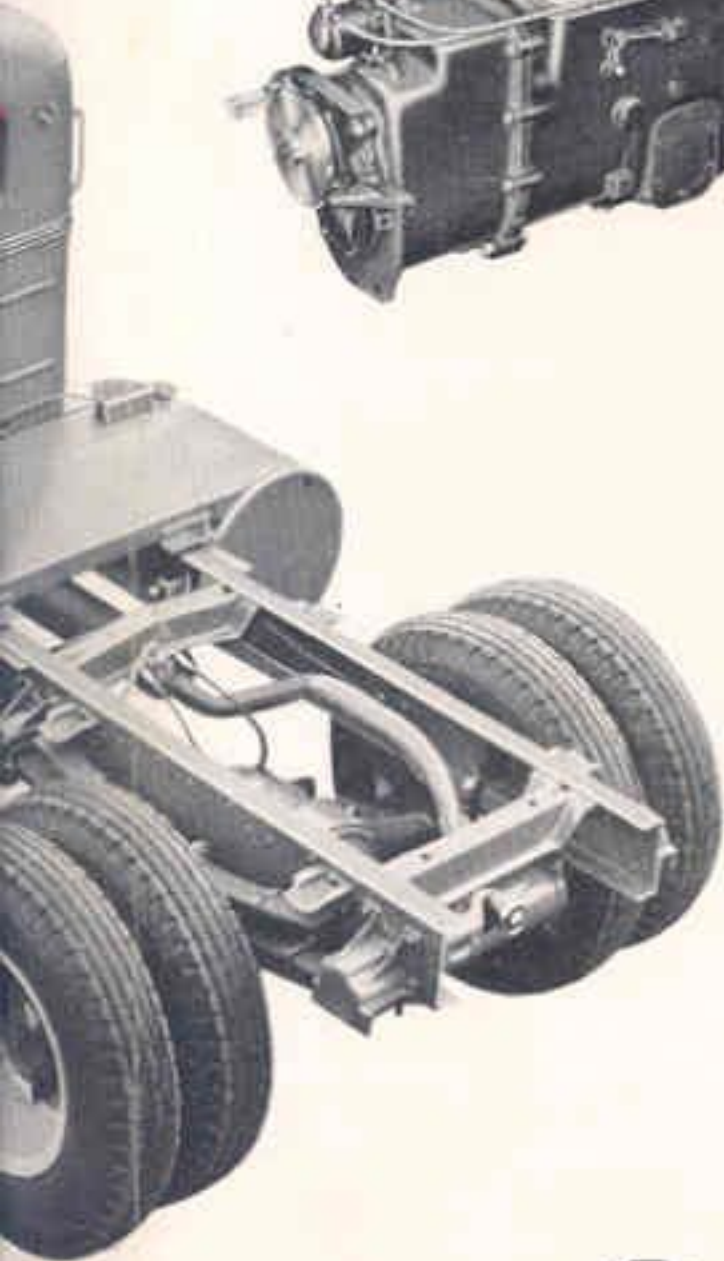
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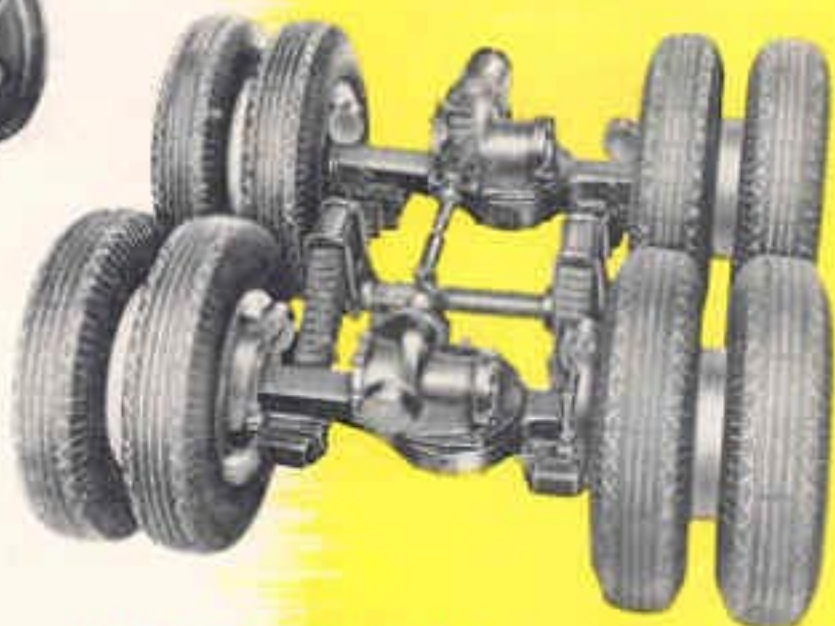
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Mack Mono-shift — Single-lever shifting of ten speeds with pre-selection of the compound ratios, swiftly, silently and surely is available in the A-50 series through Mack's exclusive Mono-shift* transmission. Because it permits pre-selection of compound shifts and quicker shifting without momentum loss, Mono-shift makes possible higher average speeds and lower operating cost. For operators preferring all-manual control this 10-speed Duplex is also furnished as a two-stick transmission.

Standard transmission is of five-speed, constant-mesh type, optionally direct or overgeared in high. Outstanding features include full-depth case for great rigidity; built-in oil cleaner; exclusive Mack Tetrapod gear design for greater gear strength, durability and quietness.

*Patented name.



Mack's famed Balanced Bogie is standard on the six-wheel version of Model A-50 series. Here are some of the outstanding advantages it brings to six-wheel operation: Traction is assured over difficult terrain because of Mack's exclusive Power Divider. No overstress of driving parts because of its inter-axle differential. No spring-twist because of Mack rubber Shock Insulators. No chassis distortion because of its inherent flexibility. Extended tire life and elimination of tire-scuffing because it is self-steering and provides uniform tire-loading. Minimum maintenance because of its simplicity of design.



Powerful clutch—ensures longer life with less need for adjustment—of particular advantage for frequent-stop operations. Area of engagement, Thermodyne clutch, 202 square inches, Mack Diesel clutch, 228 square inches.



Masterful braking ability, longer wear, rapid heat dissipation and simple adjustment—all are advantages incorporated in the large-size air brakes which are standard on Model A-50 series.

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• Trouble-free, hauling, round-the-clock dependability, Bulldog stamina and long life, rock-bottom operating costs—these are typical heavy-duty Mack advantages that build profits for you—these are the advantages of the Mack A-50 series.

The outstanding Mack Thermodyne engine and the pace-setting Mack diesel offer operators a choice of the most efficient and economical powerplant for every trucking need. Rugged five-speed, selective, constant mesh Mack transmission assures long life and reliability. The Mack Mono-shift is available, an option, to provide single-lever shifting of 10 speeds with pre-selection of the compound ratios. The Mack two-stick, 10-speed Duplex transmission is also available. Massive cross-members of the husky full-depth frame insure great stiffness against twisting and weaving. Mack rubber Shock Insulators eliminate troublesome steel shackles at all spring ends. Mack's famed Balanced Bogie with the exclusive Power Divider brings unequalled advantages to the six-wheel model of the A-50 series. Chassis are perfectly balanced for their particular job, reflecting the long experience of Mack designers and engineers. This proper balance achieves highest performance and long life for every component, means low maintenance, sustained earning power.

Functional styling is evident in the handsome, rugged appearance of the Model A-50 series. Every part, every component, has a job to do and does it well. Model A-50 is a MACK—a truck that will work profitably for you throughout its long life.

**BUILT LIKE A MACK TO WORK
HARDER... TO LAST LONGER**



A-50S, Thermodyne-powered six-wheeler, a rugged, powerful unit, is ideally suited for heavy hauling.



A-515 brings the special economies of Mack's Diesel engine to those whose operations can utilize diesel power.

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