

Mack



fire apparatus type

19

AUTOLIT



Automobile - Truck - Motorcycle 1900 to Present
ORIGINAL Sales Brochures, Manuals, Books, Posters,
Catalogs, and MUCH More. World's largest selection!

"The finest fire apparatus in the world"



Your fire apparatus has to give positive service every time it goes into action. It must get to the fire quickly, operate at top efficiency regardless of snow, ice, rain, or mud. That's why it is important to have the reserve power and stamina that you find only in Mack.

Mack has full control over every step in the making of its fire-fighting apparatus, and builds more of its own major components than any other manufacturer. The result is a reliability in performance, proved the country over for 40 years.

Every Mack apparatus is custom-built to

the fire-fighting needs of your community. In thousands of towns and cities across the nation and throughout the world, Mack apparatus guards billions in property, millions in lives, demonstrating daily — year in and year out — its superb fire-fighting efficiency, be it pumper, hose car, aerial ladder or squad car!

There can be no compromise with efficiency where life and property are at stake. Your fire department deserves nothing less than the best, and that means it deserves Mack . . . the finest in quality, the ultimate in efficiency.

Mack

type **19**

1000-GAL.

AUTOLIT



Automobile - Truck - Motorcycle 1900 to Present
ORIGINAL Sales Brochures, Manuals, Books, Posters,
Catalogs, and MUCH More. World's largest selection!

PERFORMANCE, both on the road and at the hydrant, reaches a new high in the Mack Type 19. For this modern pumper is powered by the sensational Mack Thermodyne engine, hailed by Fire Chiefs as the most advanced engine in fire fighting service today.

Like numerous other superlatives of Mack fire apparatus, this great engine is a product of extensive research and experiment, made possible by resources greater than those of all other fire apparatus builders combined. Typical instances of Mack's better, more modern construction are found in such features as . . . central-

ized control system . . . single-throttle, pressure regulating governor . . . automatic engine temperature regulation . . . directed water flow cooling . . . rubber Shock Insulated springs. All are a natural outgrowth of Mack's policy of complete manufacture in Mack factories from raw materials to finished apparatus.

This close control over the materials, workmanship and testing of every part is definite assurance of quality construction, which combined with advanced design, assures the top-notch efficiency and unfailing reliability for which Mack apparatus has long been famous.



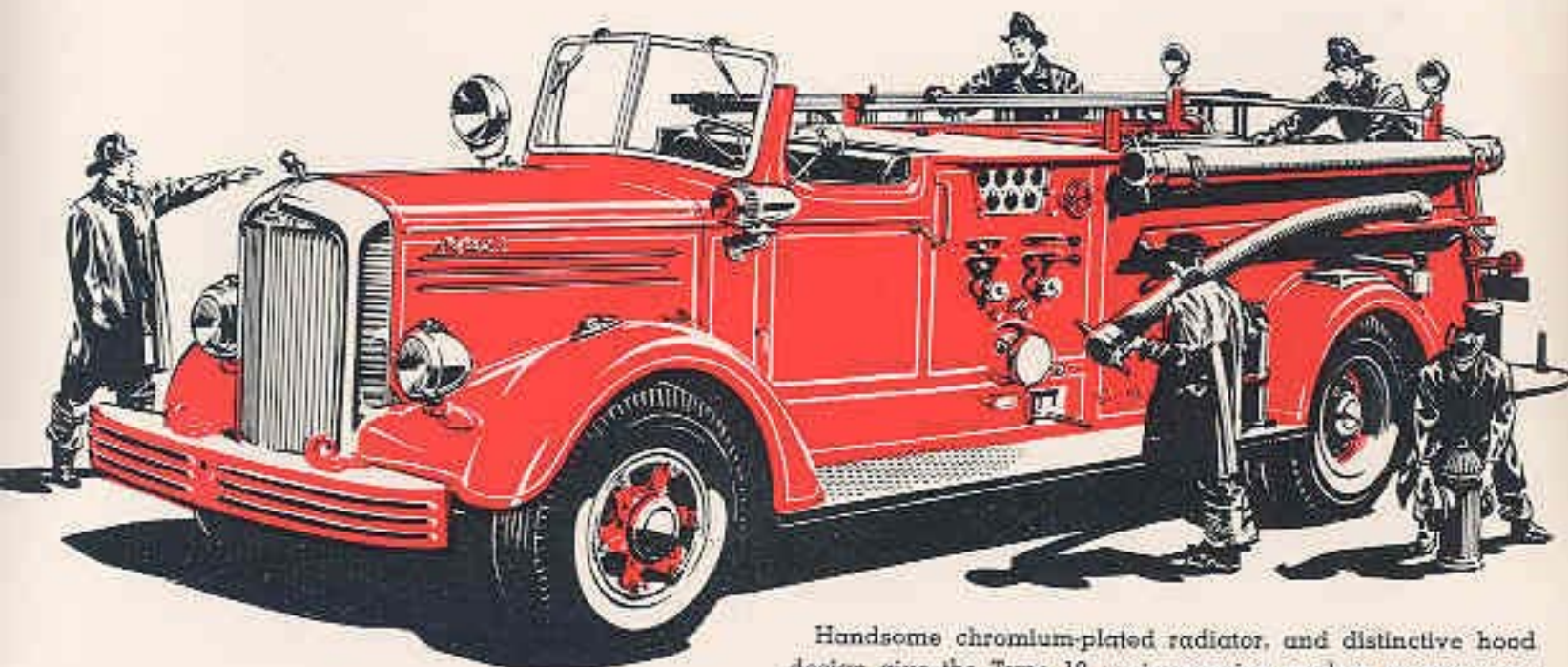
Simplicity of pump controls has always been a feature of Mack apparatus. Note this compact and efficient arrangement with all gauges and levers grouped together within easy reach of the operator.



Comfort of accommodations and convenience of operating controls receive special attention in Mack design. Note individual, adjustable driver's seat and handy, out-of-the-way location of parking brake.



Body is designed for utmost efficiency which assures quick accessibility to all equipment. Built completely in Mack shops this heavy-gage, all-steel body has a capacity of 1550 feet 2 1/2-inch hose and 300 feet 1 1/2-inch hose.



Handsome chromium-plated radiator, and distinctive hood design give the Type 19 an impressive modern appearance. Semi-cab, illustrated, has three-quarter side windshields which may be raised or lowered at will. Full 56" inside width provides comfortable seating for three men. Type 19 is also available with a variety of enclosed cab arrangements.

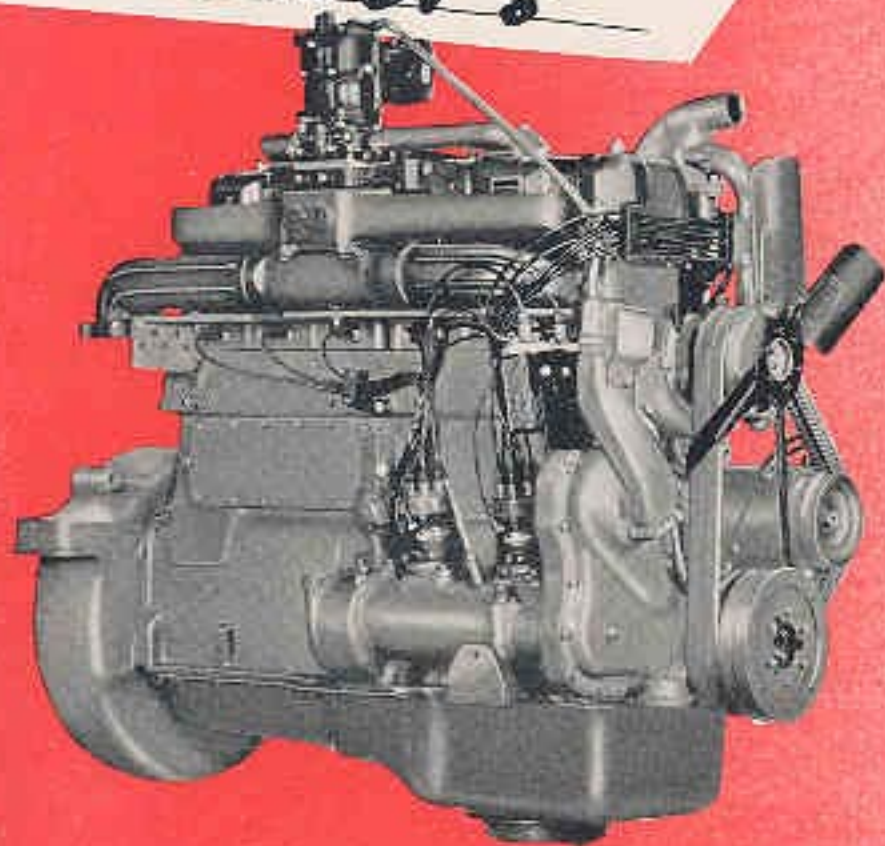
ON TRIPLE COMBINATION CENTRIFUGAL PUMPER.

AUTOLIT



Automobile - Truck - Motorcycle 1900 to Present
ORIGINAL Sales Brochures, Manuals, Books, Posters,
Catalogs, and MUCH More. World's largest selection!

Thermodyne Power!



The Mack-built Thermodyne Engine, Model ENF 707A, is manufactured specifically for fire-fighting service. Developing 225 horse power, this engine has plenty of stamina and power reserve to drive the 1000-gallon pump through the most grueling continuous pumping operations. On the road its superior performance shows up in fast acceleration, easy cruising at high speeds and effortless hill climbing ability.

Mack quality and exclusive Mack features account for the Thermodyne Engine's unrivaled perfection. Cylinder blocks, cast from chrome-nickel-iron alloy, are free from distortion, and have longer lasting bores and valve seats. Exhaust valve seat inserts of Niterrite alloy are Stellite-faced. They have a permanent fit and exceptional durability. Offset turbulence type cylinder heads, extra large carburetor, double ignition system, improved inlet manifold, and graduated heat vaporizer system bring more efficient combustion which results in outstanding performance.



Connecting Rods are diagonally split and are carefully balanced and matched in sets of six.



Timing Gears, manufactured by an exclusive Mack process, are drop-forged, upset, end-grain, case-hardened and generator-ground. Permanently quiet. Mack timing gears never wear out.



Crankshaft, supported by seven main bearings, is fully counterbalanced by twelve integrally-forged counterweights. All the journals are Tocco-hardened.



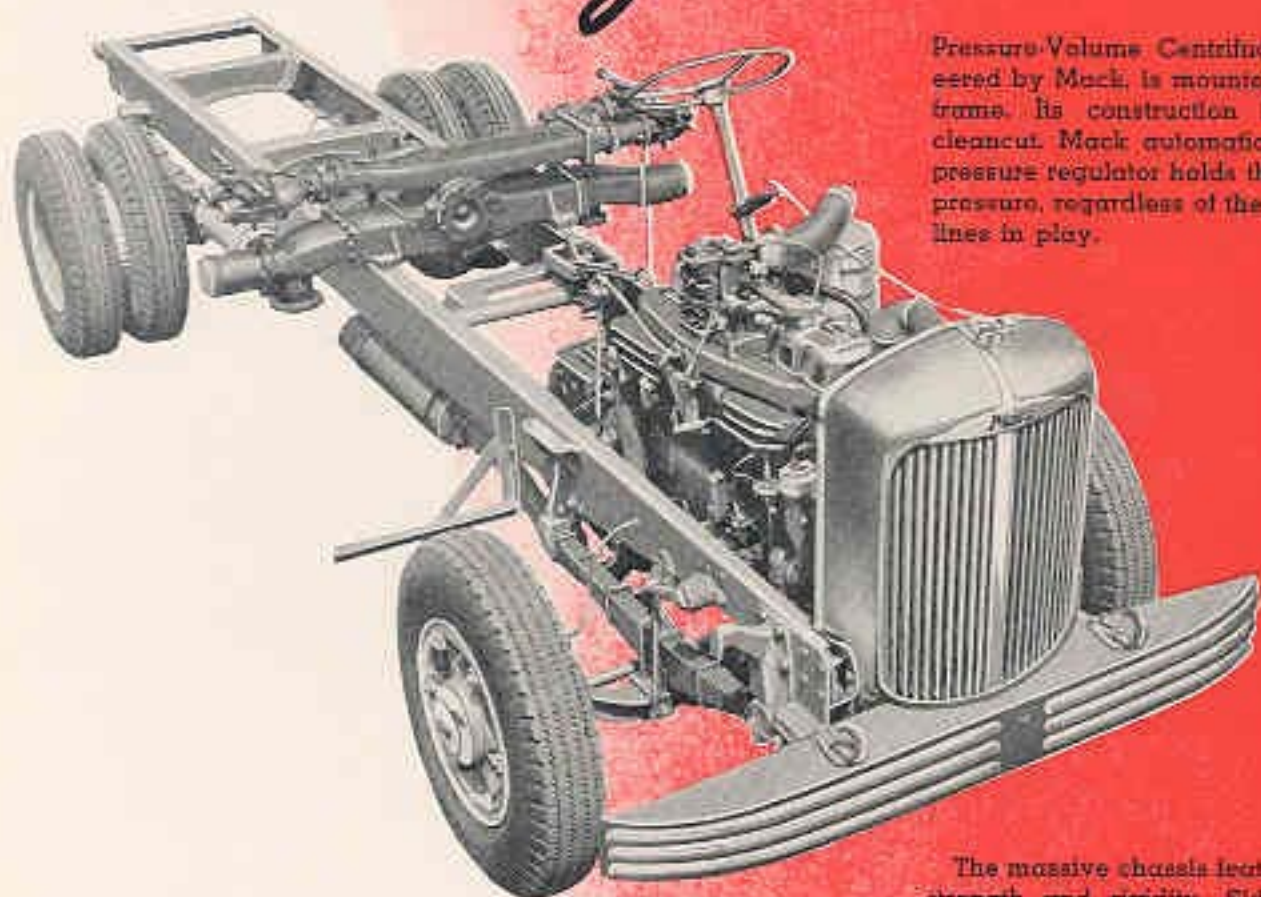
Crankcase: View of upper crankcase shows husky bulk-heads supporting the seven main and camshaft bearings. Both main and connecting rod bearings are the thin-shell, interchangeable, precision type.

AUTOLIT



Automobile - Truck - Motorcycle 1900 to Present
ORIGINAL Sales Brochures, Manuals, Books, Posters,
Catalogs, and MUCH More. World's largest selection!

Modernize with Macks!



Pressure-Volume Centrifugal Pump, pioneered by Mack, is mounted directly to the frame. Its construction is rugged and clean-cut. Mack automatic throttle control pressure regulator holds the desired pump pressure, regardless of the number of hose lines in play.

The massive chassis features a frame of unequal strength and rigidity. Side-rails, of highest grade pressed carbon steel, are permanently joined by bolted girder type cross-members designed and used only by Mack. Spring ends are mounted to the frame by Mack rubber Shock Insulators. Advanced design and construction has reduced maintenance requirements to a minimum and produced a chassis with extra margins of strength and stamina that assure peak performance and constant efficiency.



Type 19, 1000-gallon, triple combination pumping engine with standard open seat.

Type 19, 1000-gallon, triple combination pumper with closed cab.

IN DESIGNING AND BUILDING FIRE APPARATUS FOR THE PROTECTION OF LIVES AND PROPERTY THERE CAN BE NO COMPROMISE WITH QUALITY. ALL MACK APPARATUS IS BUILT TO MEET THIS RESPONSIBILITY.

Type 19, triple combination pumping engine with special seven man sedan type cab.



AUTOLIT



Automobile - Truck - Motorcycle 1900 to Present
ORIGINAL Sales Brochures, Manuals, Books, Posters,
Catalogs, and MUCH More. World's largest selection!

SPECIFICATIONS

MACK TYPE 19

TRIPLE COMBINATION PUMPER

Engine	6-cylinder
Block and Cylinders	5' x 8"
Block Dimensions	125"
Displacement	700 cu. in.
Combustion	Downdraft
Ignition	Double
Transmission	4 speed forward — one reverse
Front Axle	14 inch, Reversed Elliot
Rear Axle	Full Floating — Single Reduction
Steering Gear	Worm & Roller Type
Brakes	Four wheel hydraulic, 350 sq. in. lining area, 660 sq. in. drum area, front lines, drum on drive shaft, 82 sq. in. lining area.
Tires—Dual Rear	8.00 22
Wheelbase	177"
Overall Width	96"
Pump Equipment	1000 g.p.m. pressureless, two-stage centrifugal Two 18" lengths of 6" hard service hose ... One 3" strainer.
Booster Equipment	100-gallon booster tank ... 150' of 1/4" 1-ply booster hose with shut-off nozzle and two tips on hose reel.
Body	Of heavy-gauge stretch-level mild-rolled steel, lined with top and seat ... Removable slatted wood floor ... Capacity of fuel body: 1800 feet of 2 1/2" double jacket hose and 800 feet of 1 1/2" hose.
Compartments	Five enclosed equipment compartments.
Warning Signals	Five cutting alarm with buzzer.
Lighting Equipment	Two headlights with sealed beam lamps ... Two front fender and parking lights ... Combination stop and tail light ... 18" emergency light ... Gage lights ... Two engine lights ... Two rear apron lights.
Fire Equipment	One 11" steel ladder with folding hooks ... One 24' solid web extension ladder ... Two fire deck sets ... One steel stretcher ... One 18' pike pole ... Two electric hand saws ... One 2 1/2-gallon foam type and one 2 1/2-gallon water type extinguisher ... Two playpipe hoses or screw hoses ... One 2 1/2" double funnel connection ... One 2 1/2" double male connection ... One 3" element connection ... One 3/4"x2 1/2" by-pass connection.
Seat	For three men. Various types of seats available at extra charge.
Approximate Weight	14,000 pounds
Paint	Fire Department Red Gold leaf lettering and striping.

MACK Type 19 is also available in Quadruple Combination.

There being no limit or scope to the use of MACK products, refinements and improvements are allowed whenever sound development and thorough trial prove them to be advantageous. The right is therefore reserved to change specifications or prices without notice.

Fire Apparatus Division

MACK MANUFACTURING CORP.

Long Island City 1, New York



From molten metal to finished apparatus Mack has full control over the quality of every part.

Generator grinding of Mack timing gears for long life and perfect silence.



Mack rear axles are bored to hair-breadth accuracy.



Production line where bodies are fabricated and mounted on chassis of Mack Fire Apparatus.



Dynamic Balancing of Mack crankshafts cuts bearing loads and smooths out the power flow.

