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Speeds—H.P.N. on Rubbet [Infinated] TRACTOR 14:34, 15:34 Cave and Rise (Special) 7:30-18 Internal Expending Shee 79 Gen Of Wa 13% 0.7 Fe Far lide and



ENGINE

MAN INNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY MINNEAPOLIS 1, MINNESOTA

MINNEAPOLIS-MOLINE

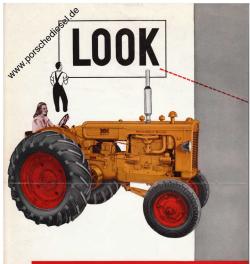


## THE GREATEST TRACTOR BUY

• The orbitationing features for dependable performance and assures account point in the CRI 19 M Minnespolis-Moltine empirers make it in CRI GRA MINNESPOLIS Moltine empirers make it in the GRALEST TRACTOR BUY in the form field demonsting on other discovered power. This big 4.5 plow M In rector is in a class by intell when it comes to delivaring steedy, dependable, moximum power with encourage for CRI in the intelled tractor for hondling between, but when convey of crit is in the intelled tractor for hondling between, but except the company of the comp

me quanty constraints or me winnesposs-moine GTB occording to time-tested and field-tested methods of modern engineering make it the most modern 4-5 plow tractor of today. If features a high conspession cylinder head for maximum fivel economy; force-feed lubrication to connecting rad bearings, main bearings, valve mechanism.

combath, on other imported point, enable-constructed Squares combath, on the companion of the companion of the companion of the very legal field stars, intered expanding below-pass strates for quark terms with the companion of the companion of the companion of the companion of the days of the companion of the companion of the companion of the companion of the days. A large relevant, band-operated, over-center duths among a companion of the companion of the companion of the companion of the present companion of the companion of the companion of the smooth, and operation with an architectured since of work lang days are smooth, and operation with an architectured since of work lang days are smooth, and operation with an architectured since of work lang days. One of the companion of the companion of the companion of the companion of the contribution of the companion of the companion of the companion of the contribution of the companion of the companion of the companion of the contribution of the companion of the companion of the companion of the contribution of the companion of the companion of the companion of the companion of the contribution of the companion of





LEFT: The heavy-duty front ax is made of melleable iron wi the center pivaling an removab bushings. Ease of steering is a sured by the Ross Com and Lev type sheering and by the be

enced weight of the treater.

\$19H7/The frost-and weight of the
OTB is belanced over the center
of the inner bearing of each front
wheel. This feature means longer
weer on both wheels and beer-





## SURPLUS POWER WITH ECONOMY OF COST

ENGINE (CONOMY—The engine of the MM, GTB is qualify constructed for excomey of operation and main-tenance. The forced-feed filtered lubrication of the GTB has a capacity of times greater than needed when when the errate is new, and juining the pump this extra capacity when parts become worn. The lubrication is still caused when parts become worn. The lubrication system also features at by-pass which permits the oil to flow under fault pressure to all full-read to the GTB and the GT

The twin cylinder blocks may be easily removed for servicing or for replacement if necessary with economy of cost

> The high-turbulence combution chombers of the GTB are designed for maximum economy in fuel consumption. The fuel is burned progressively and evenly. This means smooth, steady power on all jobs in addition to getting full value from fuel.

The crankshaft is dynamically balanced to assure a smoother running engine with minimum vibration. The engine also features controlled cooling for greater power and longer engine and valve life.

EFFICIENT CODING SYSTEM—In the controlled cooling system of the GTB engine jocks, water is routed through specially designed themselves are some combustion chambers, when pents, water guides, and spark julg openings. A centrifugal pump (ager driven) operates with a capacity of 36 gailous per minute. A by-pass thermotatu regulates the flow of water. Water is by-passed back through the engine cut fill the temperature of the control of the

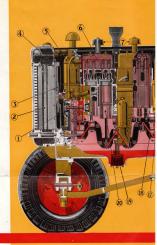
STARTER AND ELECTRIC LIGHTS—Starting and lighting units are regular equipment on the GTB. Lighting equipment includes 6-volt battery, generator, three headlights, and modern instrument panel with ammeter, oil gauge, temperature gauge, light switch, and panel



BRAKES Internal expanding st type brekes for swo sefe, quick steps.



Lungoreteeteeleeste look inside





- Centrifugal water pump mounted on bronze bushings, geardriven-automatic water pump seal.
- 2. Large capacity, 12-gallon tubular radiator.
- 3, V-belt driven fan mounted on Timken roller bearings:
- Radiator expansion chamber. No overflow tube is required.
  It is only necessary to replace water lost through evaporation.
   By-pass thermostat for control of water temperature.
- Oil filter with easily replaceable waste-type cartridge.
   Moss-type breather with extra capacity assures proper crank-
- case ventilation.
- 8. Fuel filter has a filter element made up of several copper discs to remove foreign particles.



# RFUL...ECONOMICAL...DEPENDABLE

Seam welded gas tank, 29-gallon capacity.

Modern instrument panel with ammeter, oil gauge, and

Modern instrument panel with ammeter, oil gauge, and temperature gauge.

Automotive-type gear shift—5 forward speeds and 1 reverse speed: Low 2.5, 2nd 3.5, 3rd 4.1, 4th 6.0, 5th 13.8, Reverse

2.0.

Four-pinion differential runs in a bath of oil, Revacycle type.

Cushioned seat and lazyback for added comfort, Seat has

an air-bag and seat and back have hair filling.

Transmission shafts and gears are made of special alloy steel mounted on topered roller and ball bearings. Transmission runs in a both of oil.

- 15. Transmission is sealed against dust and dirt by felt seals.
- 16. Heavy-duty over-center twin-disc clutch, hand operated.
- Replaceable crankshaft, main and connecting bearings are precision made of steel lined with babbitt.
- Force-feed filter lubrication to connecting rods and main bearings, valve mechanism, comshaft, accessory shaft, timing gears, and governor.
- 19. Oil pump with extra capacity for positive lubrication.
- Heavy-duty precision-made cast iron piston with 3 compression rings and 1 oil ring.





#### PATENTED HOT SPOT MANIFOLD

The accidive MM, peterted hot spot mensioned of the GTB gives upon mensioned with GTB gives upon performance with various feels, loods, and changing weather considered, level is vaporied into a more constantile mixture lesified a proceeding shaped elibor celled the hot spot, shewn obove. The total post is therefore due the contribe by activate personal personal processing the contribution of the contrib



### SPECIAL MM FEATURE

Cylinders of the CTB engine are cost two in a block apparatus from the considers for easy positions with economy of cost. Study shade are fixed from the creations with economy of cost. Study shade are fixed from the creations on a stated up through the cylinder blocks and cylinder bands. The stress obtained in highwaring the shade does not other the cylinders. Stewn created by the choolabout presents in transmitted by the shade in the consideration. This design exists it every said excendible and the consideration of the conside



# AIR CLEANER

The GTB Tractor uses approach manify 1,200 cubic feet of oir for every gallon of goallon. It is important to keep this oir free from the control of the cont



The quality 5-speed transmission of the GIB is precision built for quiet running, and it is studyly built to meet the annual attraction in a tractor of this size. It will give longer, trouble-free operation under tomposition of the size of the size of the size of the size of the enclosed, and they are protected from dust and did by a system of the size. For an in a continuous bond of all essering positive labellation, analysis power to do heavy-duly stell globs at justication. Analysis power to do heavy-duly stell globs in publication.

> Alloy steel, heat-treated geers are used in the GTA. Geers are precision out and are mounted on large heattreated splined shafts. Shafts are mounted an Tinken roller and ball bearings. This simple geer arrangement and the high-grade bearings reduce friction to a minimum and assure the greatest amount of direct power that this nowerful tractor is built to deliver.





he large farms and for the difficult jobs, the GTB is the choice



vesting with the GTB and MM G4 Harvestor is harvesting the

