

Features
5610S
6610S
7610S
7810S

PRODUCT MANUAL



NEW HOLLAND

TRAINING

MODELS 5610S, 6610S, 7610S, 7810S

ALL-PURPOSE TRACTORS



A3135-4

MODEL 5610S



A3161-9

MODEL 7610S



A3162-1

MODEL 6610S



A3143-3

MODEL 7810S

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IMPORTANT SALES FEATURES

OF THE “10S” SERIES TRACTORS



A3044-6

- The new “10S” series tractors have a number of carryover features from the “Special” tractors as well as many improvements that you should be sure to use to sell these tractors more effectively.
- The “10S” series offers more models than before with the addition of the 7610S and 7810S. This lets you satisfy more applications for more customers.
- Horsepower has been increased through the installation of GENESIS™ engines throughout the lineup. These engines offer improved durability, improved fuel economy, and improved torque rise for better customer satisfaction.
- Serviceability was already an important feature on the “Special” tractors and now it is even better due to vertically-mounted oil and fuel filters.
- Standard hydraulic capacity is superior to many competitive tractors in this class. Dual remote outlets are standard equipment on all four models for customer convenience.
- These all-purpose tractors offer excellent maneuverability with standard hydrostatic power steering and a relatively short wheelbase. This makes these tractors ideal for the utility applications in which they are typically used.
- Front-wheel drive is available on the larger three models to satisfy requirements for extra traction and flotation. Large standard equipment 2WD and FWD tires belie these tractors’ “economy” status.
- A comfortable operator’s area is improved with the addition of larger step plates for easier entry and exit and more footroom.

These high-value, low-cost tractors have taken the proven design of the “Special” tractors and made them even better. They offer a high level of standard features that will satisfy many customers.

ATTENTION: Some photos in this manual show protective shielding removed to illustrate features more clearly. Be certain, however, to keep all shields in place when the machine is in operation.

RELIABLE, DURABLE

MID-RANGE WORKHORSES

Standard Equipment & Features 5610S, 6610S, 7610S and 7810S

DIESEL ENGINE - "5610S"

66 PTO Horsepower @ 2,200 RPM
268 cu. in. Displacement
4-Cylinders

DIESEL ENGINE - "6610S"

76 PTO Horsepower @ 2,200 RPM
304 cu. in. Displacement
4-Cylinders

DIESEL ENGINE - "7610S"

86 PTO Horsepower @ 2,100 RPM
304 cu. in. Displacement
4-Cylinders, Turbocharged

DIESEL ENGINE - "7810S"

90 PTO Horsepower @ 2,100 RPM
401 cu. in. Displacement
6-Cylinders

DIESEL ENGINE - ALL

Vertical Exhaust
Dry, Dual-Element Air Cleaner with Bowl-Type
Pre-Cleaner
Full-flow Oil Filter
21.5 gal. Fuel Tank
Dual Fuel Filter w/Water/Sediment Separator
Cooling System with Antifreeze & SCA Additive
5" Starter
Key Engine Shut-Off
Thermostart

INSTRUMENTS

Tachometer - Hour Meter
Fuel Gauge
Coolant-Temperature Gauge
Instrument Illumination
Engine-Oil Pressure Warning Light
Alternator Warning Light
Air-Cleaner Restriction Indicator

TRANSMISSION/PTO

8X2 with 540 IPTO (5610S, 6610S)
8X2 with 540/1000 IPTO (7610S, 7810S)
Mechanical PTO Engagement

HYDRAULIC SYSTEM

Live Hydraulics w/Position Control; Double-acting,
Top-Link Draft Control; Automatic Flow Control;
Auxiliary-Services Control Valve; Two-Spool,
Closed-Center Remote Control Valve with
Four Quick-Release Couplers; Category II
3-point Linkage with Rigid Link Ends;
Single-Pump Hydraulic System, 9.7 GPM Rating
(9.3 GPM on 7610 and 7810)

FLAT-TOP FENDERS

ELECTRICAL

Battery, 12 Volt, 800 CCA
Safety Start Switch
Key Ignition
55 Amp. Alternator

LIGHTING

Two, Dual-Beam, Halogen Headlights,
Fender-Mounted, L.H. Halogen Rear Worklight,
Two Tail Lights and Two Flashing Safety
Lights-Fender Mounted

HYDROSTATIC POWER STEERING

ROPS/SEAT

Two-Post Roll Bar w/Seat Belt
Super Comfort Seat

ADJUSTABLE FRONT AXLE

52" to 80" (19" clearance)

REAR WHEELS

Manual Adjustable - 60" to 80"

SWINGING DRAWBAR

CHECK-CHAIN STABILIZERS

FOOT THROTTLE

SLOW MOVING VEHICLE EMBLEM

PTO GUARD

BRAKES

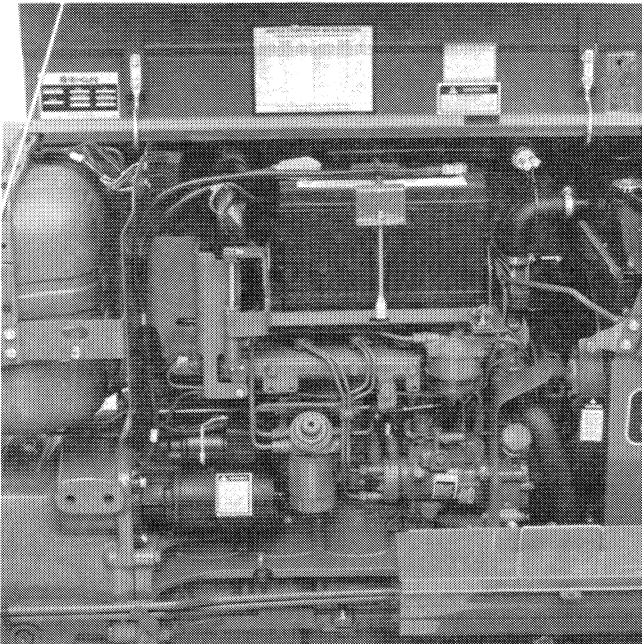
Wet Disc-Foot Operated
Parking Brake Latch

DIFFERENTIAL LOCK

GENESIS™ ENGINES — THE FIRST

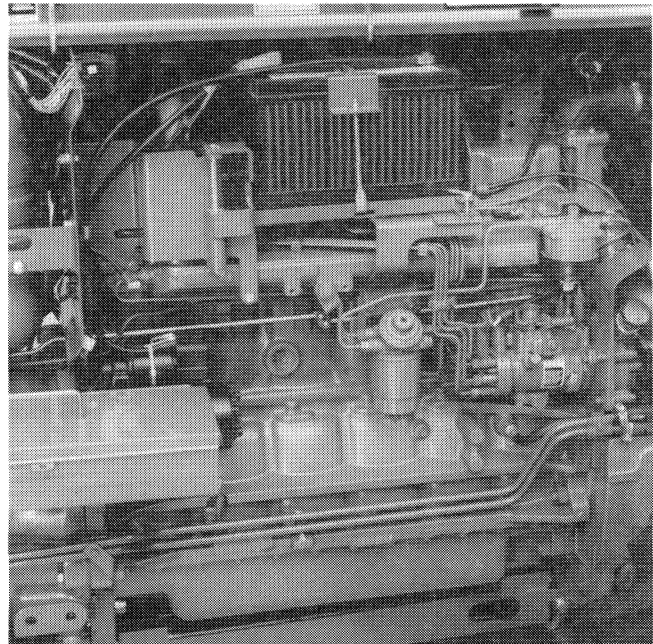
AND LAST WORDS IN ENGINE PERFORMANCE

The GENESIS™ engine project team was put together to develop a new series of engines that use the latest design features to provide an engine family with more “guts”; the ability to lug through the tough spots and keep moving. They worked to make these new engines do more work with less fuel. Finally, they worked to make the engines start better in cold temperatures and run smoothly and quietly during warmup. All of these objectives were achieved while at the same time improving on the reliability, durability, and serviceability that customers have come to expect from Ford tractors.



A3133-6

The models 5610S, 6610S and 7610S tractors are powered by rugged, four-cylinder, GENESIS diesel engines. These engines have large displacement for given horsepower, which means long life, because they are able to pull hard, without working hard. The 268 cubic-inch engine of the model 5610S produces 66 PTO horsepower and the 304 cubic-inch engine of the model 6610S produces 76 PTO horsepower. The 304 cubic-inch, turbocharged engine of the model 7710S produces 86 PTO horsepower.



A3143-4

The model 7810S is powered by a six-cylinder engine from the GENESIS family. Like the four cylinder engines, it has large displacement for the amount of horsepower it produces. The 7810S, at 90 horsepower, is powered by a 401 C.I.D. engine. On average, the “10S” tractors have a 15-20% displacement advantage over competitive tractors in the same horsepower range.

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