



COMPETITIVE DATA

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NUMBER: MG422

EFFECTIVE DATE: 11/72

REPLACES: - - -

11/27/72

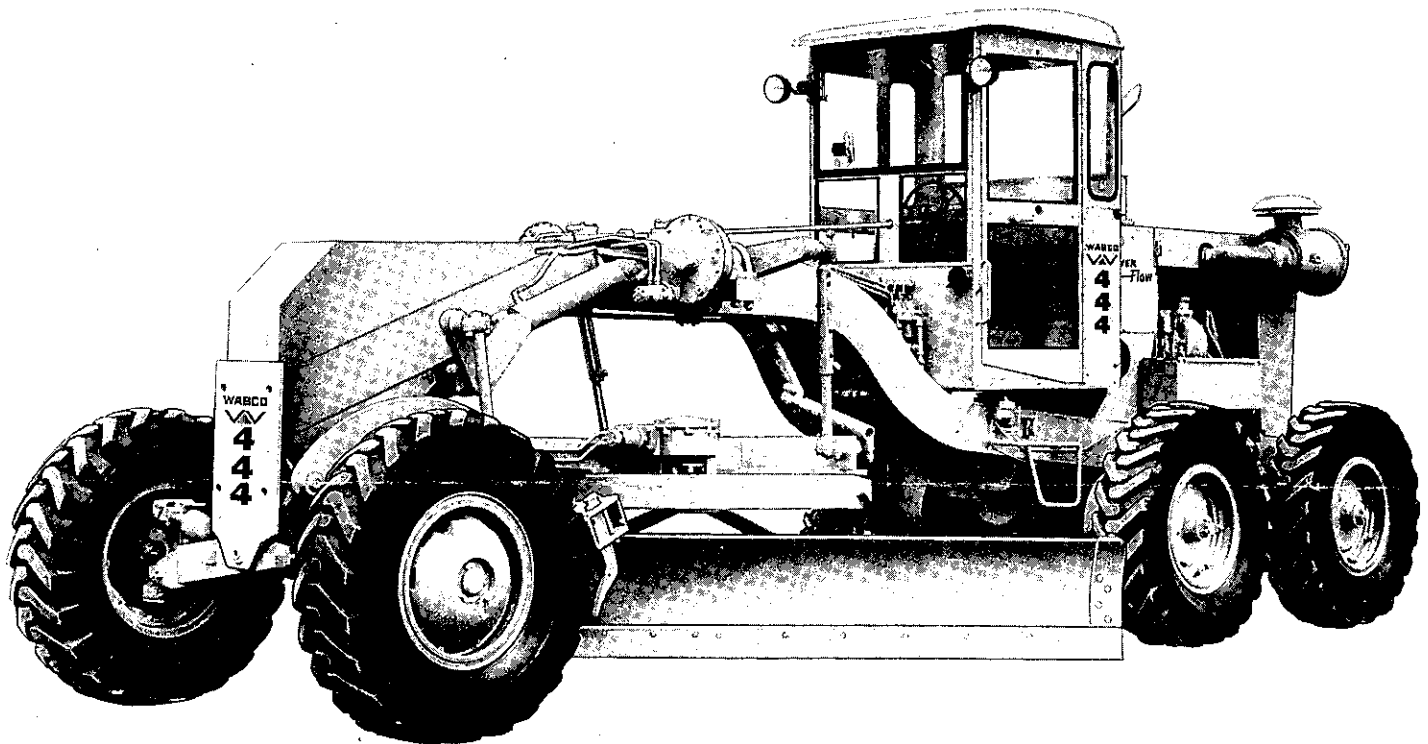
THE GALION IRON WORKS & MFG. COMPANY division of Jeffrey Galion Inc. Galion, Ohio 44833, U.S.A.



NEW MODEL

MODEL
444
POWER-FLOW®
MOTOR GRADER

ISS 04 1982



- Ease of control and blade accuracy with hydraulic-actuated mechanical controls.
- Strong, level thrust frame... rugged front end.
- Designed for ease of serviceability.
- Proven torque converter and transmission.

444 POWER-Flow[®] MOTOR GRADER SPECIFICATIONS

Specifications are subject to change without notice or obligation.

WEIGHT

(approximate) with Standard Equipment, no accessories

Total	25,900 lbs.	(11,748 kg)
On Front Wheels	7,970 lbs.	(3,615 kg)
On Rear Wheels	17,930 lbs.	(8,133 kg)

ENGINE, Diesel rubber mounted Detroit Diesel 4-71

Horsepower, Maximum	147
Net	134
RPM	2100
Number of Cylinders	4
Bore	4 1/2" (108 mm)
Stroke	5" (127 mm)
Displacement, cubic inches	283.7 (4,65 liters)
Electric starting equipment standard	12-volt

TRANSMISSION AND TORQUE CONVERTER

Transmission	Hydraulic power shift clutches and constant mesh
Torque converter	15" (38,1 cm), single stage
Torque multiplication ratio	2.78:1
Tail-shaft governor	Standard. Adjusts engine automatically to maintain pre-selected grader speeds.

SPEEDS in MPH and (Kilometers per Hour)

	Forward	Reverse
First	3.6 (5,8)	3.2 (5,1)
Second	7.0 (11,3)	6.2 (10,0)
Third	15.9 (25,6)	14.0 (22,5)
Fourth	25.3 (40,7)	22.8 (36,7)

OVERALL DIMENSIONS

Length	26' 3"	(8,00m)
Width	7' 9"	(2,36m)
Height with cab	10' 8"	(3,25m)
Height without cab	7' 10"	(2,39m)
Wheelbase	19' 2"	(5,84m)
Bladebase	8' 7"	(2,62m)
Tread, front	6' 4"	(1,93m)
Tread, rear	6' 6"	(1,99m)
Distance between centers of tandem wheels	5' 2"	(1,58m)
Turning Radius	40' 0"	(12,19m)

SERVICE CAPACITIES

	Gallons	Liters
	(U.S. Standard)	
Fuel Tank	60	(227)
Cooling System	15	(57)
Crankcase (without filter)	3 1/2	(13,5)
Torque converter, upper transmission, lower transmission and final drive	20	(76)

FRAME

All welded continuous member from front to rear, box type. Average weight per foot 167 lbs. (249 kg/m)

DRAWBAR

Box section, 6" x 5 1/2", "T" shape with ball and socket connections.

CIRCLE

6" x 6" x 1 1/8" (15,24 cm x 15,24 cm x 2,85 cm) steel structure, 63" (1,6m) diameter, worm and gear circle reverse, 360°.

MOLDBOARD

Wear resistant high carbon steel, multi-radii curvature.

Length, height, thickness 12' x 25" x 3/4"
(3,66m x 63,4 cm x 1,9 cm)

Cutting edge thickness 5/8" (1,59 cm)

BLADE WORKING RANGE

Lift for ground clearance 21 1/4" (55,24 cm)

Circle side shift 36" (91,44 cm) R; 40" (101,6 cm) L

Pitch positions 11

Bank cutting angle 90°

Shoulder reach outside tires 85" (2,16m) R 92" (2,34m) L

LIFTING MECHANISM

Hydraulically driven worm and gear. 3" (7,6 cm) diameter; short, straddle mounted liftshaft. Adjustable telescoping lift links with shim adjustable ball and socket connections.

CONTROLS

Hydraulic over positive mechanical worm and gear on blade lifts, side shift and circle reversing. Safety overload protection automatically resets.

AXLE, FRONT

Welded arch truss construction of 6" x 1" (15,24cm x 2,54cm) bars with hydraulic wheel lean. Forged, heat treated alloy steel spindles, 2 1/2" (6,35 cm) and 1 7/8" (4,76 cm) diameter at bearings. Ground clearance at center of axle 24" (61,0 cm). Hydraulically boosted mechanical steering.

AXLE, REAR

Full floating drive axle, 3 1/2" (8,89 cm) diameter of heat treated alloy steel. Axle carries no weight of the grader.

TANDEM DRIVE

Box section, 21" x 7 1/4" (53,34 cm x 19,68 cm) welded, oil tight housing. 2" (5,08 cm) pitch roller drive chain.

TIRES, FRONT AND REAR

13:00-24 tubeless; mounted on 8" (20,32 cm) demountable rims.

OPTIONAL EQUIPMENT SHOWN IN PICTURE

Cab, defroster fan, front cover, lights, scarifier, and windshield wiper.



An American-Standard Company