

Cost

Saving

Design

Ideas

Designs in Ductile Iron

CASTING Hydraulic Motor Rear Housing

APPLICATION Allows Changing of Hydraulic Motor Displacement

SPECIFICATION ASTM A-536 (80-55-06)

REDESIGN Was a Three Piece Assembly of Steel Plate That Required a Considerable Amount of Machining

COST SAVINGS Component Cost Reduced 44%

DESIGN ADVANTAGES Improved Wear and Machining Characteristics; Cost Savings Provided Cost Competitiveness

SIZE & WEIGHT Approx. 100 lb. Casting

COMPANY Rineer Hydraulics
San Antonio, TX

FOUNDRY Alamo Iron Works
San Antonio, TX



CASTING Lift Arm

APPLICATION Raise & Lower Motor Grader Blade

SPECIFICATION ASIM A-536 (65-45-12)

REDESIGN From Steel Casting

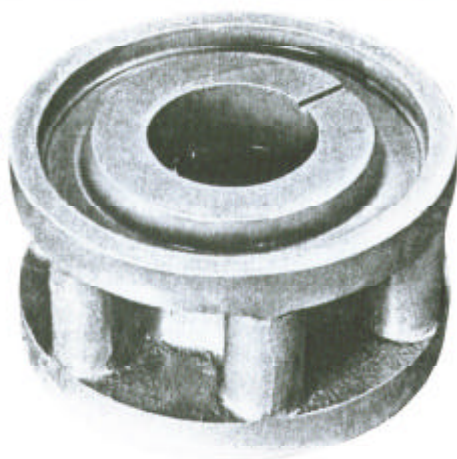
COST SAVINGS Part Cost Reduced 47%

DESIGN ADVANTAGES Lower Manufacturing Costs

SIZE & WEIGHT Unknown

COMPANY Caterpillar Inc.
Decatur, IL

FOUNDRY Unknown



DUCTILE IRON GROUP