

Cost

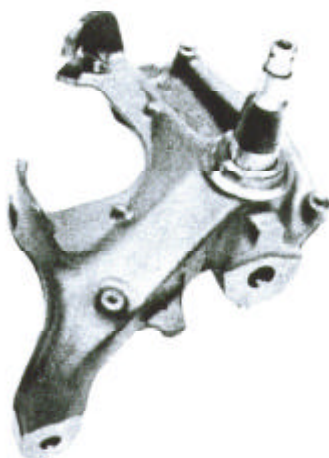
Saving

Design

Ideas

Designs in Ductile Iron

- CASTING APPLICATION** Steering Knuckle
Automotive Steering Unit
- SPECIFICATION** ASTM A-536 (60-40-18)
- REDESIGN** From Forgings, Stampings, and Fasteners
- COST SAVINGS** Substantial
- DESIGN ADVANTAGES** Replaced Eleven Part Assembly; Improved Reliability
- SIZE & WEIGHT** Approx. 12" Long; 17 lbs.
- COMPANY** Cadillac Div. GM
Detroit, MI
- FOUNDRY** Central Foundry, GM
Saginaw, MI



- CASTING APPLICATION** Tractor Gudgeon Housing
- REDESIGN** Main articulation component for 9000 Series John Deere 4WD tractor
- SPECIFICATION** ASTM 65-45-12
Ductile Iron
- REDESIGN** Converted from steel weldment
- COST SAVINGS** 28% Cost savings.
- DESIGN ADVANTAGES** Reduced stress on pins and bushings, capability for higher horsepower loads, aesthetic advantage over weldment.
- SIZE & WEIGHT** 50 X 43 X 19.5 in, 847 lbs
- Company Foundry** John Deere
John Deere Foundry,
Waterloo, IA



DUCTILE IRON GROUP