

Designs in Ductile Iron

Cost

Saving

Design

Ideas



CASTING Rear Control Arm for Mustang Cobra

APPLICATION Safety critical support for rear suspension

SPECIFICATION Austempered Ductile Iron

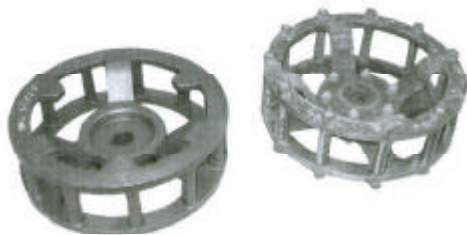
REDESIGN Replaced original design of either aluminum or steel forging.

COST SAVINGS Weight reduction of 10%.

DESIGN Tight packaging and strength requirements eliminated aluminum and steel

ADVANTAGES

SIZE & WEIGHT 15 X 10 X 6 in, 8.5 lbs



CASTING Loader Drive Wheel

APPLICATION Drive wheel for track system on loader

SPECIFICATION Austempered Ductile Iron

REDESIGN Replaced an 84 piece assembly

COST SAVINGS Annual savings of \$190,000

DESIGN Weight reduction of 15%, cost reduction of 55%

ADVANTAGES assembly time savings of 30 min per unit

SIZE & WEIGH 4 X 12in, 21lbs

COMPANY Unnamed

FOUNDRY Smith Foundry, Minneapolis, MN

DUCTILE IRON GROUP