

PROJECT SCOPE AND OBJECTIVES

This study report has been prepared for the Government of Canada, Department of External Affairs, Ottawa, Canada, and addresses the Steel Castings Market in the five-state East North Central Region of the United States plus the state of Pennsylvania. The market for railroad castings has been excluded from this report. The railroad market is in an extremely depressed condition and it is forecast that the future demand is to be satisfied by highly cost effective U.S. producers. A supply surplus of 20% to 30% is forecast for 1985. The defense market is not included as a separate market segment. However, the major defense market for steel castings, military vehicles, is included in the "Truck" classification. Separate statistics have been included for tank castings.

During the course of the project, the following scope of objectives is considered to have been satisfied:

- Identify and quantify the steel castings market in the six-state region of Illinois, Indiana, Michigan, Ohio, Pennsylvania, and Wisconsin.
- Identify and quantify the major consumers of steel castings in these major market segments:
 - Construction Machinery and Equipment
 - Mining Machinery and Equipment
 - Mill Machinery
 - Trucks, Buses, and Trailers
 - Valves and Fittings
 - Pumps
 - Other Machinery
- Determine demand as related to the following alloy classifications:
 - Carbon and low alloy steel
 - Heat resistant steel
 - Corrosion resistant steel
 - Manganese steel
- Determine demand by casting size ranges as follows:
 - Under 100 pounds
 - 101 to 500 pounds
 - 501 to 1,000 pounds
 - 1,001 to 5,000 pounds
 - 5,001 to 10,000 pounds
 - Over 10,000 pounds
- Determine current competitive casting selling prices by alloy, casting size, and end use market, where possible.
- Establish projections of market growth or decline through 1985.