

GENERAL ALUMINUM FORGINGS Inc

Code: GAF

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History: General Aluminum Forgings Inc was established in 1979 by Sterlake Enterprises Ltd (the parent company). An initial plant in Huntington Beach, CA, serving as a pilot company for Winnipeg, began production in Mar 80, and is now at full production. Construction for the Winnipeg plant began in the fall of 1980 and was completed in Jun 81. Production began in Jun 82.

Capability: General Aluminum Forgings manufactures precision, no draft, seamless aluminum forgings as well as conventional forgings ranging in size up to 75 lbs or 175 square inches plan view surface area. The company covers all aspects of the production from die design to final inspection of the finished part. These parts are used primarily in the aerospace industry including both commercial and defense aircraft production, missiles and space vehicles, but because of the characteristics of precision aluminum forgings, which include strength, lightness and greater resistance to corrosion, their application to other industries is on the increase.

Average Work Force: Administration - 30
Production - 55

Gross Sales: 1981 - \$2.5M
1982 - \$3.5M
1983 - \$5.5M
1984 - \$6.75M (Projected)

Plant Size: 33,000 sq ft (design capability for additional 56,000 sq ft)

Equipment: General Aluminum Forgings maintains 300 - 3500 ton hydraulic presses.

Experience: General Aluminum Forgings customers include - Boeing Aircraft Corp, AVCO Aerostructures, Northrop Aircraft Corp, McDonnell Douglas, Bendix, Hydraulic Research, National Waterlift, Simular Inc, Garret Pneumatics, Hydraulic Units Inc, Rockwell International, Fairchild Republic, Whittaker Controls, Grumman Aerospace, Mitsubishi Heavy Industries, Heath-Techna, Lockheed California, Lockheed Georgia, E-Systems, Rohr Industries, Parker Hannifin, J E Ramsey Co, Sperry Vickers, Emerson, Hughes Helicopter, and Eldec Inc.

Keywords: 1 = Aircraft; 12 = Machining; 13 = Missiles, 18 = Space Systems; 20 = Miscellaneous; Forgings = 1, 12, 13, 18, 20; Aluminum Forgings = 1, 12, 13, 18, 20; Seamless Aluminum Forgings = 1, 12, 13, 18, 20; Die Design = 12; Conventional Forgings = 1, 12, 13, 18, 20.

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GENERAL MOTORS OF CANADA Ltd Diesel Division

Code: GMC

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Contact: Mr. W L Claggett, Sales Manager, Defense Products -
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History: Diesel Division, General Motors of Canada Ltd, was established in 1949 for the manufacture of Diesel-electric locomotives. Diesel Division is a division of General Motors of Canada Ltd, which is wholly owned subsidiary of General Motors Corporation.

Capability: Diesel Division is primarily involved in the engineering and manufacture of Diesel-electric locomotives, off-highway mining haulers, transit buses and military vehicles. They have advanced skills and techniques in shearing, forming, fabricating and welding of large and complex steel components.

Average Work Force: Engineers - 150
Others - 1850

Gross Sales: 1983 - \$358M (Model Year)

Plant Size: 1,400,000 sq ft (Spread over 4 major plants)

Experience: In 1982, Diesel Division won the competitive Light Armored Vehicle competition - a joint US Marine Corps/US Army program to deliver a base quantity of 969 eight-wheeled combat vehicles carrying a two-man 25 mm turret. The contract has options for a number of mission role vehicles including Maintenance Recovery, Logistics, Mortar, Command and Control and Anti-Tank. Prototypes of these vehicles have been delivered to the Marine Corps for test and evaluation. The baseline Light Armored Vehicle (LAV) has been selected for evaluation by the USAF mounting a General Electric 30 mm turret for the role of airfield defense (Mobile Weapon System).

The LAV25 has been type classified (M1047) Standard A by the US Army. The first production vehicle was delivered in October 1983.

In the Fall of 1982, Diesel Division completed the delivery of 491 6x6 armored vehicles to the Canadian Armed Forces. They were supplied in three variants - a Personnel Carrier, a Fire Support Vehicle and a Maintenance Recovery Vehicle.

Diesel Division has also been under contract with the US Navy for a design study for a hybrid Mobile Protected Weapon System. In addition, they have also participated in the MX Missile Carrier Program through Delco Electronics and bid on the US Army Infantry Fighting Vehicle Second Source Program.

More than 3200 locomotives have been delivered to 32 domestic customers and over 1000 locomotives have been exported to 22 railways in 17 countries. More than 10,000 transit buses have been produced by the division for customers in Canada and the US.

Diesel Division has the world product mandate for the design, engineering and manufacturing of TITAN haulers and has built for eight countries more than 325 of a 170 ton capacity hauler called the 33-15. Another hauler in the line is the 33-19, which with a carrying capacity of 350 tons, is the world's largest dump truck.

Keywords: 2 = Armament; 14 = Protective Equipment; 20 = Miscellaneous; Locomotives = 20; Off-Highway Vehicles = 20; Armored Vehicles = 20; GP Armored Vehicles = 20; Amphibious Vehicles = 20; Personnel Carrier = 20; Fire Support Vehicle = 14, 20; Maintenance Recovery Vehicle = 20; Hybrid Mobile Protected Weapon System = 2; Ground Transportation = 20; Transport Systems = 20; Light Armored Vehicles = 20.

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