

JAMES L. OSWALD

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CAREER SUMMARY

Extensive, diversified and successful experience in automotive industry powertrain operations. Expert knowledge of program planning, casting manufacturing processes, product design, and tooling. Strong record in leading cross-functional specialists in the analysis of all available processes and in establishing new strategic direction. Most recently working with Tower Automotive to develop, design, and source the cast components for a solar-powered Stirling Energy System project to manufacture and produce 26,000 units annually in the Southwest.

SELECTED LEADERSHIP ACCOMPLISHMENTS

- Principal contact between EXCO Engineering & Ford engineering, purchasing, and supplier technical assistance organization leading EXCO to \$35 million of business with Ford. As process engineering consultant for Rassini Engineering (both in U.S. & Mexico) led actions resulting in a 50% cost savings in Rassini machining and foundry operations.
- Led a cross-functional team of 30 engineers and scientists in order to find the assignable causes and cures to prevent catastrophic engine failures. This action led to a patented casting production process to improve the strength of all Ford aluminum cylinder blocks.
- Managed an insourcing action with a dedicated team of engineers and production supervisors to design, launch, and operate a new ductile iron casting production facility which enhanced Ford's position in the automotive casting industry in Europe.
- Led a dedicated team of casting specialists that improved the casting prototype processes, improved plant safety, and reduced cost and timing at Ford's Windsor Aluminum Casting Process Development Center.
- Led an engineering team that developed the aluminum V8 and V6 engine block castings product design for manufacturability for Ford and Yamaha. These actions led to a best-in-class launch with the lowest casting machine scrap and leak rates in the history of Ford Powertrain.
- Directed a benchmarking study of Ford transmission case casting suppliers and their processes. Recommended changes, developed new industry cornerstones, and implemented change in the casting supply base to Ford Motor Company's Transmission Operations.

PATENTS/SIGNIFICANT AWARDS

- United States Patent #5,584,334; Methods for increasing strength of cast aluminum components; Granted in 1996, Production implementation at Ford in 1999.
- Ford Powertrain Technical Achievement Award 1997; 4 unique Ford Casting Operations Excellence Awards related to aluminum cylinder block design and manufacture, 1994

CAREER PROGRESSION

J. L. Oswald & Associates	1999-present
Chief Technical Officer and Principal Consultant Primary accounts: Tower Automotive, Exco Engineering, Rassini Frenos	
Ford Motor Company, Powertrain Operations, Dearborn, MI	
Casting Liaison, Pre-program and Production Engineering Automatic Transmission Operations, Livonia, MI	1996 - 1999
Engineering/Facility Manager Casting Process Development Center, Windsor, Ontario	1994 - 1996
Team Leader V8 and V6 Aluminum Engine Blocks Casting Operations, Dearborn, MI	1992 - 1994
Technical / Program Manager, Nodular Iron Insourcing Program Leamington Plant, England	1989 - 1992
Business Planner/Senior Metallurgist Casting Operations, Dearborn, MI	1985 - 1989
Forging Process and Quality Engineer Vulcan Forge, Dearborn, MI	1984 - 1985
Melting and Casting Process Engineer Windsor Casting Plant, Windsor, Ontario	1983 - 1984
SKW Alloys, Detroit Regional Office, Detroit, MI	1981 - 1983
Automotive Regional Sales and U.S. Foundry Technical Liaison Manager	
Ford Motor Company, Casting Division, Dearborn, MI	
Melt and Finish Senior Process Engineer Michigan Casting Center, Flat Rock, MI	1978 - 1981
Process, Materials and Quality Engineer Casting Division, Dearborn, MI	1976 - 1978
Northfield Manufacturing, Livonia, MI	1975 - 1976
Owner / Partner of prototype casting facility	
Ford Motor Company, Casting Division, Dearborn, MI	
Laboratory Engr. & Supervisor; Melt, Mold and Core Areas Michigan Casting Center, Flat Rock, MI	1972 - 1975
General Motors Corporation, Detroit, MI	
Metallurgical Laboratory Technician Detroit Diesel Allison, Redford, MI	1969 - 1972

EDUCATION

M.B.A.	Executive MBA Program, Michigan State University , East Lansing, MI	1988
B.S.	Technical Education, Wayne State University, Detroit, MI	1974
A.S.	Material Science, Henry Ford Community College, Dearborn, MI	1970