

Archive
Lakeshore Museum Center
Teledyne Continental Motors Finding Aid

Collection: Teledyne Continental Motors (TCM) Collection

Object ID Number: X91.074.005

Location: LCM Archive, room 204, Back Room, Shelving Unit B

Dates: 1902 to 2000

Quantity: Nine Archival Boxes, 15.5 x 13.5 x 10.5

Restrictions: No Restrictions

Abstract: This collection contains several types of archival material that provides information on the development of TCM, how the company changed over time and the impact TCM had in the engine history, World War II, and in the local community. This collection provides researches with information about TCM's beginnings in 1902, the move to Muskegon, their expansion into different markets and locations, their growth during WWII, and the decline during the post war years. The collection contains valuable information about engines that TCM built, material regarding operational procedures, company newsletters, sales manuals, employee personnel information, financial information, and many more topics. The majority of this collection is specific to the TCM locations in Muskegon.

Historical Information: Teledyne Continental Motors began in Chicago in 1902 when Ross W. Judson built his first engine. Later that year his brother-in-law, Arthur W. Tobin, became partners with Judson after investing money in the company. As demand for their engines grew, they moved to a larger building and built twenty-five engines with seven employees in 1903. In 1904, as the business rapidly grew, Judson and Tobin decided to focus on building engines instead of vehicles and named their business the Autocar Equipment Company. Then in 1905, the two changed the name of the company to Continental Motors Manufacturing in order to make the company more recognizable. The reason being is that they wanted to differentiate themselves from their rival, the Autocar Company. Another reason for the choice of Continental Motors Manufacturing was that their engine advertisements were described as continental engines.

During the automobile boom of this time, Muskegon, MI, wanted to expand into the industry. They did so on July 25, 1905 when the Greater Muskegon Chamber of Commerce signed a contract with Judson and Tobin to move Continental Motors Manufacturing to Muskegon. The contract provided a \$12,500 bonus for the company if they employed 125 men for six years. On May 15, 1906, construction began at the corner of Market and Water Street on a two-story factory with 16,000 square feet. For the next four years, Continental purchased surrounding land and built additional buildings to accommodate the growing demand for their engines. Besides building engines, Continental also built transmissions, clutches, marine motors, marine

accessories, and other parts. In 1911, Continental Motors also expanded their operations to Detroit where they built a 225,000 square foot facility to accommodate a contract for building 10,000 motors for the Hudson Motor Car Company. At the time, the plant was the largest in the world that was solely devoted to building engines. When operations commenced at the plant in 1912, Continental moved their administrative offices to Detroit. When their six-year contract with the Greater Muskegon Chamber of Commerce was up in 1912, Continental exceeded the requirements and received the bonus and the original deed to the property.

Up until World War I, Continental designed and built custom motors for each of their customers. Some of these customers had contracts for supplying vehicles for the War Department. As the War progressed and the demand for vehicles grew, Continental began working with the War Department in developing a standardized truck that could be mass-produced to keep up with the demand. Once the engine was developed, Continental signed a contract with the War Department. The contract gave Continental the rights to provide 50 percent of the engines that War Department needed. The relationship that began during World War I between Continental and the War Department would be a relationship that would last for many years and wars to come.

During the Depression, Continental expanded their engine line in order to combat revenue losses from car engine sales. They expanded their aircraft engine line, industrial engine line, and began a venture in Continental made vehicles to name a few. Realizing that people could not afford expensive vehicles, Continental came out with a less expensive line of full size cars than their competitors, the Beacon, the Flyer and the Ace. In an effort to keep the cost of the vehicles down, the cars, and parts for the cars were to be sold by Continental distributors. However, the production of Continental vehicles was short lived and after a little over a year production ended. It was also during this time that Continental revamped their business strategy by consolidating many areas of the business to save money and in 1934, the majority of the business operations in Detroit moved back to Muskegon.

Before World War II began, Continental designed and produced a lighter tank engine, the W-670, for the Army Ordnance Corps that could make a tank more mobile and faster. This new engine was an adaption of an aircraft engine that Continental had already developed. When World War II broke out in Europe, the United States, although neutral, repealed the Arms Embargo Act in 1939, and Great Britain, who needed tank engines, signed a contract with Continental for the engines. By the end of 1940, Continental also signed contracts with the U.S. Government to produce engines for tanks and aircraft. The Muskegon plant did not provide the space needed to fulfill the contracts that Continental signed. Needing more space, Continental renovated the Detroit plant. In 1941 as the war progressed and the demand for engines grew, Continental expanded their Muskegon and Detroit facilities. With this came an expansion in the workforce as well. Pre war employment was roughly 700 people and in 1944 at the peak of production, the workforce was near 23,000 people.

When the demand for engines declined during the Post-War years, Continental shifted their business strategy to customer satisfaction and an expanded engine line. They built Agricultural engines, Transportation – truck, bus, and automobile - engines, Aircraft engines, Industrial engines, and Marine engines. While sales were lacking during these years, the Korean War

changed this. There was a new demand for military vehicle engines and Continental began producing the engines in order to meet the demand for the war effort. Monthly sales in late 1951 were roughly \$15 million and employment grew to over 12,000 workers.

Monthly sales declined during the years after the Korean War. In order to combat the decline in sales Continental again expanded their engine department. In 1956, the Federal-aid Highway Act was passed for the construction of the Interstate Highway System. Seizing the opportunity, Continental expanded their engines line to fit the equipment used for the construction. They also began producing engines for irrigation equipment used on farms. Partnerships with companies also were expanded on during this time. Continental improved the engines that they built for the Checker Cab Company of Kalamazoo. In 1960, Continental expanded their partnership with Rolls-Royce in England. This partnership enabled Continental the right to build certain Rolls-Royce engines in America, and Rolls-Royce gained sales rights in Europe. The Royal Canadian Air Force also added a Continental powered airplane. Continental Aviation and Engineering (CAE) also expanded their partnership with Turbomeca of France. CAE rebuilt the engines that Turbomeca imported to the US in order to make them work with the American equipment.

In 1961, Ryan Aeronautical Company of San Diego started purchasing Continental stock and in late 1965 took over as majority owner of Continental. As word spread of Ryan's stock purchases and with an uncertain future ahead, Continental still improved their engines. In the 1960's Continental began producing Variable Compression Ratio (VCR) pistons. These new pistons were able to provide more horsepower than the current engines in use. In order to increase the horsepower in their tank and aircraft engines Continental also revamped their engine department. In 1969, more change was forthcoming for Continental. Teledyne Inc. bought out Ryan. Later that year, Continental merged with Teledyne, Inc. Continental became Teledyne Continental Motors (TCM).

TCM was broken up into three divisions in 1972. TCM General Products Division was to be responsible for tanks and military vehicle engines and was located in Muskegon on Getty Street. TCM Industrial Products Division was on Market Street in Muskegon and given the responsibility for industrial engines. TCM Aircraft Products Division was located in Mobile, Alabama. TCM other two divisions, Continental Aviation and Engineering Corp. (CAE) was renamed Teledyne CAE, and Wisconsin Motor Corp. was renamed Teledyne Wisconsin Motor (TWM).

Throughout the next decades, TCM continued to develop engines amidst economic hard times and the loss of many United States Military contracts. Beginning in the late 1960's and throughout the 1970's many aspects of the Industrial Products Division on Terrace were moved south to Alabama and Tennessee because of cheaper labor rates and benefits. By the end of 1991, the Terrace St. plant was closed and the buildings were demolished in 1993. It was at this time that the city of Muskegon purchased some of the land from Teledyne for the redevelopment of Shoreline Drive.

In 1994, the General Products Division plant on Getty St. was renamed Teledyne Vehicle Systems (TVS). In 1996, TVS had offices on Getty St. and Seminole Rd in Norton Shores with employment around 400 people. It was also in 1996 that TVS was sold to General Dynamics

Land Systems Inc., a subsidiary of General Dynamics. In 2005 General Dynamics Corp. sold the company to L3 Communications.

Scope and Contents: This Teledyne Continental Motors collection provides researchers with information about the company from its beginning in 1902 through the year 2000. The collection provides information from company history, newsletters, and sales manuals to TCM's technological innovations in engines that revolutionized the way engines operated. This collection contains awards and different paper materials and includes newsletters, sales magazines and pamphlets, annual financial reports, memorandums, conference presentations and papers, newspaper articles, engine manuals, company operations, and negatives.

The collection is organized into the following fifteen series: Newsletters, Financial, Sales, Conservation, Personnel, Engines, Vehicles, History, Newspaper and Magazine Articles, Unions, Events, Operations, Consolidation and Relocation, and Awards/Plaques and Photographs.

The Newsletters series includes *The Red Seal Magazine* from 1916, 1925, 1944 to 1969 and a Reporters Handbook. *The Red Seal Magazine* contains Continental product information, company updates, employee and department news and industry related news. Other newsletters in the collection are from management, departments, and various employee newsletters and subsidiary companies of TCM.

The Financial series includes annual reports from 1924, 1937, 1944 to 1996, and a 1970 quarterly report. The series also includes invoices and bills, a TCM stock certificate, financial studies, sales reports and company correspondences regarding various financial topics.

The Sales series includes TCM sales manuals, price lists, accounts, advertisements, and other company marketing material. Also included in the series is information for parts and service, and distributors for TCM parts.

The Conservations series includes conference presentations and papers regarding topics about conservation as well as correspondences relating to the presentations and papers. Other information that is stored in the series is an application for Project P.R.I.D.E., which is a Muskegon based award for conservation.

The Personnel series contains information regarding TCM organizational structure, job descriptions, new hire information, seniority list, management philosophy, and meeting minutes and agenda. The collection also includes memorandums and articles relating to employee awards, and hiring and employee restructuring.

The Engine series included technical, maintenance, operating, reference guides, and instruction manuals and parts list for TCM engines. Also included are pamphlets and brochures, advertisements, and blueprints and designs for TCM engines. There are also papers, articles, and correspondences about and related to TCM engines. Information about the Gray Marine Motor Company is within the collection and well as miscellaneous engine data.

The Vehicles series contains information about TCM vehicles and vehicles that have TCM engines in them. Included is information on the TCM Beacon, the Ambassador, and articles about Humvees, the Alvis LTD “Scorpion Scout,” the Four Wheel Drive “Battle Ship,” and Tanks.

The History series contains many articles and papers written during different eras that detail the history of TCM. Included is information regarding financial history, historical records and statistics, company profiles, and information about Continental Aviation and Engineering Corporation. Also included in this series are correspondences relating to the history of TCM papers and articles.

The Newspaper and Magazine Articles series contains numerous *Muskegon Chronicle* articles that focus on TCM. Some of the topics covered are about TCM and the Muskegon Wastewater Treatment Center, bribery between TCM and the Pentagon, and other local information. There are also a collection of articles that do not deal specifically with TCM but contain information related to the industry.

The Union Series contains United Auto Workers (U.A.W.) Local 113 articles from the *Muskegon Chronicle* along with other articles that focus on U.A.W. There is also a paper on the history of the U.A.W. Local 113, and a U.A.W. Local 113 sign.

The Events series contains information about various TCM events and programs that took place at the company. Included is information about a career interest program, a research and development program, a TCM open house, and service school events programs.

The Operation Series contain information related to the operations department of TCM. Information that is included in the series focuses on Health Care, maintenance, safety, shipping schedules, energy/consumption, property blueprints, and property assessments.

The Consolidation and Relocation series contains restructuring information about different TCM departments and divisions. Information about the Productions Department, the Industrial Engines Department, the GM Truck and Coach Division, and the Industrial Products Division are included in the series.

The Awards/Plaques series is a collection of awards/plaques that were given to TCM Departments. Some of the awards are for excellence, charter, achievement, editorial, community, marketing, and conservation.

The Photograph series is a collection of TCM photographs, negatives, and slides. There are photographs of exterior property, interior buildings, employees, engines, aviation, and a trade show. There is also a collection of slides from various TCM presentations.

Arrangement: The collection is divided into logical series that best anticipate researcher needs. The collection is placed in nine document boxes based on series, and does not adhere to the original order. Several of the series contain records and information that may overlap with other series and the materials are organized in a manner that provides the easiest access for potential

researchers. Oversized files and awards/plaques that did not fit with their respective series are placed in Box 8. This collection is stored in the Archive, in the Back Room 204, Shelving Unit B. Box 1 contains Newsletters, and Financial 1924 to 1964. Box 2 contains Financial 1909 to 1996, and Sales 1931 to 1996. Box 3 contains Sales 1948 to 1982, and Conservation. Box 4 contains Personnel and Engines 1952 to 1964. Box 5 Contains Engines 1942 to 2000. Box 6 contains Engines 1904 to 1987, Vehicles, History, Newspaper and Magazine Articles, Unions, Events, Operations, and Consolidations and Relocation. Box 7 contains Awards/Plaques. Box 8 contains Newsletters 1959 to 1982, History, and Awards/Plaques 1973 to 1976. Box 9 contains Photographs 1902 to 1985.

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X91.074.005 Archival Materials

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Sub-Series: Cover Sketches

Sub-Series: Drafts

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Sub-Series: Quarterly Reports

Sub-Series: Invoices/Bills

Sub-Series: Correspondences

Sub-Series: Stocks/Bonds

Sub-Series: Sales Reports

Sub-Series: Studies

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Sub-Series: Distributors

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Sub-Series: Accounts

Sub-Series: Marketing

Dates: 1931 to 1982

Located in Box 2 and Box 3

Series 4: Conservation

Sub-Series: 2nd World Energy Management & Facilities Improvement Show

Sub-Series: 7th Energy Technology Conference
*Sub-Series: 2nd Annual Conference on Industrial Energy Conservation
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Sub-Series: General Presentations/Papers
Sub-Series: Correspondences
Sub-Series: Project P.R.I.D.E.
Sub-Series: Miscellaneous
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Sub-Series: Organization
Sub-Series: Job Descriptions
Sub-Series: Memos/Articles
Sub-Series: Management
Sub-Series: New Hire Information
Sub-Series: Seniority
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Dates: 1940 to 1987
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Sub-Series: Maintenance Manuals
Sub-Series: Operating Manuals
Sub-Series: Manuals/Parts List
Sub-Series: Instruction Manuals
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Sub-Series: Specifications
Sub-Series: Ads
Sub-Series: Correspondences
Sub-Series: Blueprints/Designs
Sub-Series: Studies/Programs
Sub-Series: Data
Sub-Series: About/Papers
Sub-Series: Reference Guides
Sub-Series: Engine Articles
Sub-Series: Miscellaneous
Sub-Series: Gray Marine Motor Company
Dates: 1904 to 2000
Located in Box 4, Box 5, and Box 6

Series 7: Vehicles

Sub-Series: Alvis LTD "Scorpion Scout"
Sub-Series: Humvee
Sub-Series: Tank

Sub-Series: Four Wheel Drive "Battle Ship"

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Sub-Series: Ambassador

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Contents - Comprehensive

X91.074.005 Archival Materials

Series 1: Newsletters

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The Red Seal Magazine, 1916 – December 1925

The Red Seal Magazine, August 1944 – December 1945

The Red Seal Magazine, January 1946 – July 1947

The Red Seal Magazine, March 1948 – Winter 1954-1955

The Red Seal Magazine, Spring 1955 – Fall/Winter 1956-1957

Red Seal Magazine, Spring 1957 – Fall/Winter 1960

Red Seal Magazine, Winter/Spring 1961 – Fall 1964

Red Seal Magazine, June 1965 – Spring/Summer 1969

The Red Seal, A Reporters Handbook 1945

Sub-Series: General

Industrial Products Division You the Supervisor

Continental Engines *Service Bulletin*, March 1959 – August 1965 &
Automotive Industrial Engines *Service Bulletin*, January 1968 –
April 1968 **Box 8**

Management Information Bulletin, CMC & CAE, 1964-1972

Management Information Bulletin, Wisconsin Motor, 1968 and 1969

Management Information Bulletin, 1964-1982 **Box 8**

Industrial Products Division *Employee Newsletter*, Fall 1986

Industrial Products Division *Employee Newsletter*, 1972-1979

Sales Motive News

Continental Motors *Management Club Newsletter*

Aircraft Power Reporter, 1973, 1974

DDT Motivator & DDT Action News, 1967

Ryan Aeronautical Co. – *Ryan Builds Better* 1967-1968

Power Reporter 1970

Employee News (General Products Division), 1972-1985

Continental Employee News, 1965-1967

The Teledyne General, 1986

Inter-Departmental Memorandum, 1943, 1966, 1975, 1979

Management Club Newsletter 1966

Sub-Series: Cover Sketches

Sub-Series: Drafts

Template for 1974 Magazine

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Series 2: Financial

Sub-Series: Annual Reports

Annual Reports 1924, 1937

Annual Reports 1944 - 1949

Annual Reports 1950 - 1955

Annual Reports 1956 - 1959

Annual Reports 1960 - 1964

Annual Reports 1965 - 1966

Annual Reports 1967

Annual Reports 1968 - 1969

Annual Reports 1976 - 1996

Sub-Series: Quarterly Reports

1970 Quarterly Reports

Sub-Series: Invoices/Bills

Goodrich Invoice 1909

1968 Quotes & Proposals Expense Summary

Sub-Series: Correspondences

Progress Reports to Continental Motors Employees, 1926, 1946

Product Shortage Correspondences 1975

Fiscal Memorandums, 1975, 1976

Sub-Series: Stocks/Bonds

C.M.C. Stock Certificate, 1969

Sub-Series: Sales Reports

TCM New Engine Sales 1965-1972

Sub-Series: Studies

Industrial Engines Market Statistics

Cost Reduction Program Project Review

Manpower Analysis

1974-1978 Long Range Marketing Plan

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Sub-Series: Sales Manuals

Red Seal Engines Sales Manual, Book 1

Red Seal Engines Sales Manual, Book 2

Red Seal Engines Sales Manual, Agricultural & Industrial, Book 1

Red Seal Engines Sales Manual, Agricultural & Industrial, Book 2

Red Seal Engines Sales Manual, Industrial Engines

Red Seal Engines Sales Manual, Power Units

Red Seal Engines Sales Manual, Transportation Book

Continental Industrial Sales Manual

Red Seal Engines Sales Manual, Transportation & Industrial

Dependable Power for Industry Sales Manual

Sub-Series: Price List

Industrial Engine Price List

Red Seal Industrial & Transportation Price List

Engine Selling Prices

Industrial N400 Series Net Prices

Sub-Series: Parts/Service

Continental & DeVaux Parts & Service List

Engine Service Support "H" Series

Sub-Series: Distributors

Industrial Engine Distributor Directory

Continental Motors Distributor (Ads & Program Info)

Sub-Series: Ads

Continental Power Ads

Continental Jobber Ads

Correspondences

Sub-Series: Accounts

Engine Accounts

Sub-Series: Marketing

Industrial Products Division Long Range Markets & Goals 1980

Dates: 1931 to 1982

Located in Box 2 and Box 3

Series 4: Conservation

Sub-Series: 2nd World Energy Management & Facilities Improvement Show
2nd World Energy Engineering Congress for Association of Energy
Engineers (paper)

Sub-Series: 7th Energy Technology Conference
7th Energy Technology Conference

***Sub-Series: 2nd Annual Conference on Industrial Energy Conservation
Technology & Exhibition***
2nd Annual Conference on Industrial Energy Conservation Technology &
Exhibition

Sub-Series: General Presentations/Papers
Products and Systems Familiarization Seminar
Teledyne Cont./Panelbloc Case History Article (Infrared heating saves
fuel)
Energy Conservation Study
Gas Fired Infrared Radiant Heaters Paper
*Reducing Exhaust Emissions & Fuel Consumption of the Aircraft Piston
Engine* Presentations
Engine Manufacturer Cuts Heating Cost in Half

Sub-Series: Correspondences
Conservation Memos

Sub-Series: Project P.R.I.D.E
Application and photographs, 1980

Sub-Series: Miscellaneous
Misc. Conservation Materials
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Sub-Series: Organization
Organization Chart & Manual
Organization Chart 1967-1983

Sub-Series: Job Descriptions
Duties
Work Standards for Supervision
Job Descriptions – Salary
Job Descriptions – Professional & Administrative
Job Descriptions – Clerical
Job Descriptions – Technical

Sub-Series: Memos/Articles
Personnel Memos Re: Awards/Presentations
Muskegon Chronicle Personnel Articles and Memos
Violations
Misc. Correspondences

Sub-Series: Management
TCM Incentive Study
TCM-IPD History and Management Philosophy Paper

Sub-Series: New Hire Information

New Hire Information

Sub-Series: Seniority

Continental Motors Seniority List

Sub-Series: Meetings

Meeting Minutes & Agenda

Dates: 1940 to 1987

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Series 6: Engines

Sub-Series: Technical Manuals

M330 Gasoline Engine TM 5-5166 Technical Manual

Generator Set Model 4060, Continental Engine TD 427-2269, TM 5-6115-235-35P Technical Manual

Truck, Cargo M35A1 Multi-Fuel Engine TM 9-2320-235-20P Technical Manual

Truck, Cargo M35A1 Multi-Fuel Engine TM 9-2320-235-35P Technical Manual

Truck, Cargo M35A1 Multi-Fuel Engine TM 9-2320-235-35 Technical Manual

Truck, Cargo M35A1 Multi-Fuel Engine TM 9-2320-235-35 Technical Manual

Military Model LDS-465-1 Multi-Fuel Engine TM 9-2815-210-35P Technical Manual

Military Model LDS-465-1, TM 9-2815-210-35P Technical Manual

Military Model LDS-465-1, TM 9-2815-210-35 Technical Manual

TM 5-4320-240-15 Technical Manual

Sub-Series: Maintenance Manuals

Model 3CPJ Maintenance Manual & Parts Catalog

Twin Disk Hydraulic Coupling or Twin Disc Hydraulic Power Take-Off Maintenance Manual

R-6602 Engine TM 9-1837A to 19-75B-17 Ordnance Maintenance

Six Cylinder Diesels Operation & Maintenance Instructions

Exhaust Emission Equipment – Maintenance & Field Installation

L-Head Engines Maintenance & Overhaul Manual

Sub-Series: Operating Manuals

LDS-427-1 Multi-Fuel Engine Operating Instructions

LDS-427-1 Multi-Fuel Engine Operating Instructions for Engine Serial Nos. 207 through 256

Tiny Tim Model L-65-L-125 & L-325 Operators Manual & Parts List

LDS-465-2 Multi-Fuel Engine Operation & Maintenance

Sub-Series: Manuals/Parts List

Power Unit Model Y-112-281-P Manual & Parts List

TM 9-1825A Delco-Remy Electrical Equipment

FS-162 Gasoline Engine TM 5-5421 to 38G2-55-1 Manual

Y-69 Gasoline Engine TM 5-5420 to 38G2-70-1 Manual

Generator Model CE-55-AC/WK6 Instruction Manual & Part List
“S” Assemblies Replacements

Sub-Series: Instruction Manuals

Gasoline Engine Generator Set PU-107A/U Instruction Book

Sub-Series: Pamphlets/Brochures

Industrial & Agricultural Engine Pamphlets

Industrial Engine Pamphlets

Trucks & Buses Engine Pamphlets

Variable Compression Ration Pamphlets

Military Engine Pamphlets

Dual Ignition Power for Fire Fighting Apparatus

Liquid Cooled Diesel/Gasoline Engine Family

Material Handling Engine Ads/Pamphlets

Automotive Engine Pamphlets

Internal Combustion Engine Pamphlets

Misc. Engines Pamphlet

- Helicopter Engines Pamphlet
- Heavy Duty Engine Pamphlets
- Marine Engine Pamphlets
- Air Cooled Engines Brochure
- 2 Cylinder Vertical Motor, 12-14 Horse Power Apparatus

Sub-Series: Specifications

“F” Series Engines Specs

“R” Series Gasoline Engines Specs

Generator Specs

Sub-Series: Ads

Continental Engine Ads

General Dynamics Engine Ads

Litrenines Ads

Lift Truck Engine Ads

Quiet Ads

Sub-Series: Correspondences

Thank You Letter from Customer Re: Engine Nameplate

R800-46 Engine

Miscellaneous

Sub-Series: Blueprints/Designs

Engine Blueprints/Designs

Sub-Series: Studies/Programs

1957 Rating & Routing Idle Test Engines, Dept. #49 Info.

Renault Engine Generator Study

Cummins Engine Company Machining Proposal

Variable Compression Ratio Principle to DAF Engines Study

1974 Red Seal Engine Status Report

TIOH-164 Engine Review

Research and Development Programs

XD171 Diesel Engine Study

TM2.7L Gasoline Engine Program
Litrengine Family Market Study
Miscellaneous
- GD4206 Engine Study
- 1790 Series Engine Vehicle Test Program

Sub-Series: Data

Misc. Data Book

Sub-Series: About/Papers

“What’s Coming in Power Plants?”

“TCM Red Seal Engines 1st CPCS Application”

Continental Engine “How Built” Pamphlet/Brochure

Sub-Series: Reference Guides

Cont. Automotive/Industrial Engine Summary Charts/Reference Guide

Sub-Series: Engine Articles

TMD-27 Engine Article

Reo Car Article with Continental Motors Corp. Engine

Wallick’s Flight Around the World Articles

Sub-Series: Gray Marine Motor Company

Article about Engines and Sales 1954-1955

Sub-Series: Miscellaneous

Dates: 1904 to 2000

Located in Box 4, Box 5, and Box 6

Series 7: Vehicles

Sub-Series: Alvis LTD “Scorpion Scout”

The Alvis LTD (Leyland) “Scorpion Scout” Study

Sub-Series: Humvee

Humvee Related Articles & Brochure

Sub-Series: Tank

MI Tank Articles

Sub-Series: Four Wheel Drive “Battle Ship”

1909 Four Wheel Drive “Battleship” Paper

Sub-Series: Beacon

1933 Continental Beacon Car Info (2 Manuals & 1 Article)

Sub-Series: Ambassador

Ambassador

Dates: 1933 to 1983

Located in Box 6

Series 8: History

Sub-Series: History of

Financial History Paper

Continental Motors 1943 History/About by Van Alstyne, Noel & Co.

History of Continental Motors (Articles, Notes, Papers)

Cont. Aviation & Engineering Corp. “About,” 1956

1963 Historical Record & Statistics, Muskegon Ordnance Plant, Military
Division

Company Profile **Box 8**

Teledyne Inc. Profile (Booklet)

Sub-Series: Correspondences

1973 Inter-Departmental Memos & Notes Re: History of
Publications/Articles

Dates: 1943 to 1982

Located in Box 6

Series 9: Newspaper and Magazine Articles

Sub-Series: Local Articles

Teledyne Continental Motors Misc. Articles Relating to Company

Teledyne Wastewater Articles

Living Here, Muskegon Chronicle Articles, Memos

Teledyne Pentagon Bribery Articles

Sub-Series: Industry Related Articles

National & Local Industry Related Articles

Dates: 1929 to 1989

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Series 10: Unions

Sub-Series: Articles

Miscellaneous Union Articles

Dates: 1972 to 1983

Located in Box 6

Series 11: Events

Sub-Series: Events

Career Interest Program

Open House Pamphlets

Service School Pamphlet

Research and Development Programs

Dates: 1966 to 1978

Located in Box 6

Series 12: Operations

Sub-Series: Health Care

Health Care

Sub-Series: Maintenance

Repair & Remodel Cost

Gas Fired Heater Electrical Arrangement Plan

Compressor Maintenance & Specs

Sub-Series: Safety

Quality Awareness/Improvements/Safety

Sub-Series: Property Blueprints

Property Blueprints/Maps
Sub-Series: Shipping Schedules
Shipping Schedule
Sub-Series: Property Assessment
Property Assessment
Sub-Series: Energy/Resources
Manufacturing Resource Planning
Energy Usage
Dates: 1941 to 1981
Located in Box 6

Series 13: Consolidation and Relocation

Sub-Series: Production Departments
Production Departments Consolidated Information
Sub-Series: GM Truck & Coach Division
(2 Binders) Relocate Cost/Estimate/Study for GM Truck & Coach
Division Plant in Pontiac, MI to Muskegon, MI
Sub-Series: Industrial Products Division
Sub-Series: Teledyne Industrial Engines
Sub-Series: Dyer, TN
Dyer, TN Relocation
Dates: 1964 to 1987
Located in Box 6

Series 14: Awards/Plaques

Sub-Series: Excellence
1st Time Excellent Award, Presented to the National Management
Association, Teledyne Continental Motors Industrial Products Div.
Chapter, 1971-72, 2nd Time, 1973-74, 3rd Time, 1974-75
Sub-Series: Charter
The National Management Association Grants this Charter to the National
Management Association, Teledyne Continental Motors Industrial
Products Division Chapter, 1972
Sub-Series: Achievement
Superior Achievement, The National Management Association, Teledyne
Continental Motors Industrial Products Division Chapter, 1973-1974
Box 8
The Superior Achievement Award, in Chapter Management, 3rd Time,
Presented to The National Management Association, Teledyne
Continental Motors Industrial Products Division Chapter, 1975-76
The Superior Achievement Award, in Chapter Management, 4th Time,
Presented to The National Management Association, Teledyne
Continental Motors Industrial Products Division Chapter, 1976-77
Superior Achievement Award, 1980-81, the National Management
Association, Teledyne Continental Motors, Industrial Products Division
Box 8

Sub-Series: Editorial

1975 "Citation of Editorial Excellence, *Teletine*, Teledyne Continental/
I.P. DIV, Fred Vollbach, Editor" **Award is loose Box 8**

Sub-Series: Outstanding

1975-76, The Outstanding Award, Presented by the National Management
Association, To, Size Group V, The National Management Association,
Teledyne Continental Motors Industrial Products Division Chapter

Sub-Series: Community

Employer Award for Outstanding Citizenship, TCM-Industrial Products
Division, 4th Year 1976 **The "4th Year 1976" is loose**

United Way of Muskegon County, Silver Award, Presented to TCM
– Industrial Products Division, for Outstanding Service to the People of
our Community ... The United Way

Sub-Series: Marketing

Teledyne Continental Motors Industrial Products Division for Outstanding
Performance in Marketing and Production Efficiency, 1977

Sub-Series: Conservation

Outstanding Contribution to Energy Conservation in Michigan, 1980
Award to Teledyne Continental Motors Industrial Products Division

Sub-Series: Association Plaque

Member MMA, Michigan Manufactures Association

Dates: 1972 to 1981

Located in Box 7 and Box 8

Series 15: Photographs

Sub-Series: Engines

Photographs/Drawings of Engines
Machines/Automobiles with TCM Engines

Sub-Series: Exterior

Exterior 1906 – 1979
Exterior Slides 1978 – 1986
Exterior Negatives
Building 10 Demolition 1985
Building 10 Demolition Negatives 1985

Sub-Series: Interior

Assembly Line
Assembly Line Negatives
Offices 1978 – 1979
Interior Slides 1978 – 1985 (2 Folders)
Heat Treatment 1980
Heat Treatment Negatives 1980
Machinery and Parts
Machinery and Parts Negatives
Testing/Inspection
Packaging Department

Sub-Series: Employees

Germany Visit 1979
Recreation 1979
Award Presentations 1985
Award Presentations Negatives 1985
Portraits
Retirements
Bitley Lodge Training Center
Golf
Golf Negatives
At Work
At Work Negatives

Sub-Series: Aviation

Beech Aircraft Corporation, Wichita, KS. 1966
“Fokker” Plane Purchase
Negatives

Sub-Series: Trade Show

2 Folders 1957
Negatives

Sub-Series: Miscellaneous

Miscellaneous
Negatives

Sub-Series: Presentations

Miscellaneous Slides 1979 – 1985
Dates: 1902 to 1986
Located in Box 9

Know Persons in Photographs

Series 15: Photographs

Sub-Series: Engines

Machines/Automobiles with TCM Engines
Kaiser, Edgar

Sub-Series: Interior

Testing/Inspection
McClure?
Pierceson, Jim?
Jim ?

Sub-Series: Employees

Award Presentations 1985
Bozik, Paul
Cook
Hunt, Jim
Minton, Cliff
Phillips, Ray

Portraits
Bosch

Carter
Cloud, Ken
Eudy
Johnson, Bob
Jones
Mehne, John
Orshal, Ken
Potter, Art
Quail, Bill
Regveiro, Jose
Robarge, Dave
Simmons, Jim ?
Smith, Bob

Retirements

Minton, Cliff
Bitely Lodge Training Center
Betz, Ron
Buckner, Dwayne
McKinley, Jack
Runnels, Archie
Shannon, Tom
Simon, Bill
Vollbach, Fred

Golf

Bozik, Paul
Carlson, C.
Goggin, Dennis
Hunt, Jim
Long, Bob
Nehra, Backus "Turk"
O'Toole, Mike
Orshal, Ken
Phillips, Ray
Shannon, Tom
Sikkenga, John

At Work

Backley, Carl
Balasco, Art
Betz, Ron
Blackburn, Ed
Borand, Ishan – From KOL Ticaret T.A.S., Ankara, Turkey
Bozik, Paul
Brevick, Ed
Dekrek, Ron
Dobberstein, Dave
Eddie

Engstrom, William
Ginn, Earl
Goggin, Danny
Gorecki, Stan
Grundy, Jim
Haig, Larry
Hartman, Earl
Johnson, Bob
Johnson, C. Wheeler
Kamp, Walter
Kennan, Tom
Kiley, Leo
Kinnelbeck, Tom
Kugler, Al
Lukasik, Dan
Marks, Dave
McKenzie, Tom
Mikula, Jim
Minton, Cliff
Moore, Harvey
Mulder, Jerry
Mulready, Frank
Murphy, John
Pate, Mel
Phillips, Ray
Pierceson, Jim ?
Potter, Art
Reese, Jack
Riley, Bob
Rouse, Harold
Schultz, Jack
Scully, George
Shaft, Chuck
Simon, Bill
Sykes, Julian
Tarrien, Clay
Thomas, Jerry
Walker, Bernie
Ward, Elmer
Young, J.D.