



 Get Print Book

# The Wankel Rotary Engine: A History

*By John B. Hege*



Download



Read Online

## The Wankel Rotary Engine: A History By John B. Hege

Conceived in the 1930s, simplified and successfully tested in the 1950s, the darling of the automotive industry in the early 1970s, then all but abandoned before resurging for a brilliant run as a high-performance powerplant for Mazda, the Wankel rotary engine has long been an object of fascination and more than a little mystery. A remarkably simple design (yet understood by few), it boasts compact size, light weight and nearly vibration-free operation.

In the 1960s, German engineer Felix Wankel's invention was beginning to look like a revolution in the making. Though still in need of refinement, it held much promise as a smooth and powerful engine that could fit in smaller spaces than piston engines of similar output. Auto makers lined up for licensing rights to build their own Wankels, and for a time analysts predicted that much of the industry would convert to rotary power.

This complete and well-illustrated account traces the full history of the engine and its use in various cars, motorcycles, snowmobiles and other applications. It clearly explains the working of the engine and the technical challenges it presented—the difficulty of designing effective and durable seals, early emissions troubles, high fuel consumption, and others. The work done by several companies to overcome these problems is described in detail, as are the economic and political troubles that nearly killed the rotary in the 1970s, and the prospects for future rotary-powered vehicles.



[Download The Wankel Rotary Engine: A History ...pdf](#)



[Read Online The Wankel Rotary Engine: A History ...pdf](#)

# The Wankel Rotary Engine: A History

*By John B. Hege*

## **The Wankel Rotary Engine: A History** By John B. Hege

Conceived in the 1930s, simplified and successfully tested in the 1950s, the darling of the automotive industry in the early 1970s, then all but abandoned before resurging for a brilliant run as a high-performance powerplant for Mazda, the Wankel rotary engine has long been an object of fascination and more than a little mystery. A remarkably simple design (yet understood by few), it boasts compact size, light weight and nearly vibration-free operation.

In the 1960s, German engineer Felix Wankel's invention was beginning to look like a revolution in the making. Though still in need of refinement, it held much promise as a smooth and powerful engine that could fit in smaller spaces than piston engines of similar output. Auto makers lined up for licensing rights to build their own Wankels, and for a time analysts predicted that much of the industry would convert to rotary power.

This complete and well-illustrated account traces the full history of the engine and its use in various cars, motorcycles, snowmobiles and other applications. It clearly explains the working of the engine and the technical challenges it presented—the difficulty of designing effective and durable seals, early emissions troubles, high fuel consumption, and others. The work done by several companies to overcome these problems is described in detail, as are the economic and political troubles that nearly killed the rotary in the 1970s, and the prospects for future rotary-powered vehicles.

## **The Wankel Rotary Engine: A History** By John B. Hege Bibliography

- Sales Rank: #1154731 in eBooks
- Published on: 2006-12-13
- Released on: 2006-12-13
- Format: Kindle eBook

 [Download The Wankel Rotary Engine: A History ...pdf](#)

 [Read Online The Wankel Rotary Engine: A History ...pdf](#)

## **Editorial Review**

### **Review**

"Definitive...readable, technically accurate, and very comprehensive...a must-read...all levels" -- *Choice*

"Excellent...educational...a good read" -- *SAH Journal*

"Hege has thoughtfully penned a complete history...guaranteed to delight" -- *Old Cars Weekly*

### **About the Author**

**John B. Hege** is an automotive technician in Winston-Salem, North Carolina, who has followed the Wankel rotary since his and its early days.

## **Users Review**

### **From reader reviews:**

#### **Mildred Perkins:**

Have you spare time for just a day? What do you do when you have far more or little spare time? Sure, you can choose the suitable activity for spend your time. Any person spent their spare time to take a go walking, shopping, or went to often the Mall. How about open or perhaps read a book called The Wankel Rotary Engine: A History? Maybe it is to get best activity for you. You realize beside you can spend your time with your favorite's book, you can smarter than before. Do you agree with it has the opinion or you have additional opinion?

#### **Brenda Seddon:**

Nowadays reading books be than want or need but also be a life style. This reading addiction give you lot of advantages. The benefits you got of course the knowledge the rest of the information inside the book in which improve your knowledge and information. The data you get based on what kind of e-book you read, if you want attract knowledge just go with training books but if you want sense happy read one using theme for entertaining like comic or novel. The actual The Wankel Rotary Engine: A History is kind of guide which is giving the reader capricious experience.

#### **Richard Eby:**

Information is provisions for individuals to get better life, information these days can get by anyone from everywhere. The information can be a know-how or any news even a problem. What people must be consider if those information which is within the former life are challenging be find than now's taking seriously which one is acceptable to believe or which one the actual resource are convinced. If you have the unstable resource then you understand it as your main information you will see huge disadvantage for you. All those possibilities will not happen in you if you take The Wankel Rotary Engine: A History as the daily resource information.

**Doris Garcia:**

As we know that book is important thing to add our understanding for everything. By a book we can know everything we wish. A book is a pair of written, printed, illustrated or blank sheet. Every year seemed to be exactly added. This guide The Wankel Rotary Engine: A History was filled regarding science. Spend your time to add your knowledge about your scientific disciplines competence. Some people has diverse feel when they reading some sort of book. If you know how big advantage of a book, you can truly feel enjoy to read a guide. In the modern era like right now, many ways to get book that you simply wanted.

**Download and Read Online The Wankel Rotary Engine: A History  
By John B. Hege #LZ3MSEIX4HO**

## **Read The Wankel Rotary Engine: A History By John B. Hege for online ebook**

The Wankel Rotary Engine: A History By John B. Hege Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Wankel Rotary Engine: A History By John B. Hege books to read online.

### **Online The Wankel Rotary Engine: A History By John B. Hege ebook PDF download**

**The Wankel Rotary Engine: A History By John B. Hege Doc**

**The Wankel Rotary Engine: A History By John B. Hege Mobipocket**

**The Wankel Rotary Engine: A History By John B. Hege EPub**