#### INTRODUCTION



#### GENERAL

This section has descriptions and repair instructions for the Perkins 4.236 and the Perkins 4.2482 diesel engines. Checks and Adjustments and Troubleshooting procedures are included in this section.

#### DESCRIPTION

The 4.2482 engine is a modification of the 4.236 design to give decreased exhaust emissions and smoke. Some parts are not common to the two engines, but the repair procedures are similar. When the procedures or parts are different, a description is given for each engine.

The cylinder block is cast-iron and has cylinder liners that can be replaced. The 4.236 engine is available with two types of cylinder liners: either with a flange or without a flange. Both Perkins engines made for Hyster Company normally have a flange on the cylinder liner.

The cylinder head is cast-iron and has an intake valve and an exhaust valve for each cylinder. The injectors are in the cylinder head. The overhead valve assembly is actuated by the camshaft found on the right side of the cylinder block.

The crankshaft has five main bearings. Number three main bearing is the thrust bearing and has thrust washers on each side of the main bearing.

The pistons are aluminum alloy castings. The piston for the 4.236 engine has five piston rings and a combustion chamber in the top of the piston. The piston for the 4.2482 engine has three piston rings. The combustion chamber in the 4.2482 engine is a modification of the 4.236 engine and is called a "squish lip" by the manufacturer.

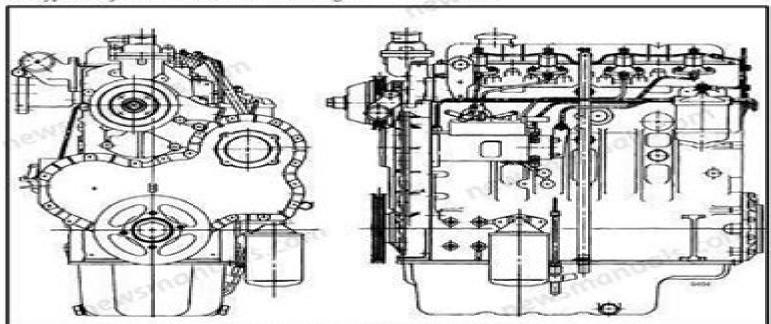


FIGURE 1. PERKINS 4.2482 ENGINE

# **Manual Perkins 4**

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#### **Manual Perkins 4:**

Payroll/personnel Processing Manual National Finance Center (U.S.),1985 Official Handbook Public Schools Jeep 4x4 Performance Handbook, 3rd Edition Jim Allen, James Athletic League (New York, N.Y.),1912 Weber, 2021-09-14 In this fully updated third edition of Jeep 4x4 Performance Handbook Jeep experts Jim Allen and James Weber give you all the information and expertise you need to build and drive your ultimate Jeep without breaking the bank Official Guide, Tractors and Farm Equipment, 1989 Popular Science, 1963-03 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better Handbook of Practical Telegraphy ... Illustrated with Numerous Diagrams Richard Spelman CULLEY, 1871 Handbook of Practical Telegraphy ... Robert Spelman Culley, 1871 Report Railroad Commission of Kentucky, 1915 **Catalogue of Printed Books** British Museum, 1893 History of Litchfield and an Account of Its Centennial Celebrations, 1895 Litchfield (Me.),1897 American Gas Engineering Journal ,1929 **Handbook of American Private Schools**, 1928 This handbook aims to be a guide to the best private schools of the country It has been undertaken with the parent especially in mind but it is hoped that it may be of value to school and college authorities and all others interested in the subject It is believed that this Handbook is the first volume which attempts a critical and discriminating treatment of the private schools of the country It is an endeavor to classify the schools on their merits at least a step it is hoped toward eventual standardization Editor s foreword Quarterly Journal - University of North Dakota University of North Dakota.1928 A Handbook of Private Schools for American Boys and Girls ,1928 **Ieep 4X4 Performance Handbook** Jim Allen, The world of high performance Jeeping can be a challenge With the used Jeep market growing new models appearing and an aftermarket constantly offering new and better bolt on parts and accessories there have never been so many options for the off road Jeep lover Now in a new second edition Jeep 4x4 Performance Handbook debunks the myths and eliminates the mystery of getting the most out of your Jeep through the thorough research and expertise of author and Jeep expert Jim Allen He explains the bolt on parts swaps and modifications that will give the most bang for the buck whether you hit the trail in a CJ or a Wrangler TJ and YJ a Cherokee or a Liberty or one of the many classic and vintage Jeeps available From bumper to bumper this book covers it all improving street performance and off road toughness towing ability and suspension brakes and electrical systems and the all important safety equipment and modifications Jeep 4x4 Performance Handbook will get you on the road and off without breaking the bank of wasting time in the garage Finding List Enoch Pratt Free Library, 1902 The Publishers' Trade List Annual, 1904 A Critical Dictionary of English Literature and British and American Authors, Living and Deceased, from the Earliest Accounts to the Latter Half of the Nineteenth Century Samuel Austin Allibone.1871 McMaster's Commercial Cases James Smith McMaster, 1903 McMaster's

 $\textbf{Commercial Decisions Affecting the Banker and Merchant} \ James \ Smith \ McMaster, 1904$ 

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