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Reuse And Salvage Guidelines

Cylinder Liners

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Cylinder Liners

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GUIDELINE FOR REUSABLE PARTS AND SALVAGE OPERATIONS

Cylinder Liners

Summary of Revisions	
Page	Description
All	Revised format.

Introduction

This guideline enables dealers and their customers to benefit from cost reductions made possible through an established parts reusability and salvage program. Every effort has been made to provide the most current and relevant information known to Caterpillar Inc. Since the Company makes ongoing changes and improvements to its products, this guideline must be used with the latest technical information available from Caterpillar to ensure such changes and improvements are incorporated where applicable.

For questions or additional information concerning this guideline, contact Caterpillar Service Support Division, Dealer Support (309) 675-5156.

Many times, the installation of new cylinder liners is not necessary during an engine overhaul. Instead, the installation of used cylinder liners can result in a large decrease in the cost of the overhaul. To see if and how cylinder liners can be used again, make a comparison between the parts you remove from the engine and the illustrations and measurements shown in this book. Follow salvage (reconditioning) recommendations carefully and completely. Never use a cylinder liner again if the recommendation in this book is not to use it again. Also, during salvage operations, correct any conditions that caused the original failure or wear.

Nomenclature



Illustration 1

Typical cylinder liner.

Visual Inspection

Before you start the visual inspection, remove any rust and/or deposits from the outside surface of the liner. Use glass beads, a wire brush installed on a pedestal grinder or a similar method

which will not damage the inside diameter or the top or bottom of the flange. See Illustration 2.

Outside Surface



Illustration 2

Rust and deposits, like these, on the outside surface must be removed before the visual inspection.



Illustration 3

Small chip in the area between the grooves.

Use again -

if the chip is not extended across the complete area and any burrs or sharp edges are removed with a file.

