

Remanufacturing - Sustainability for the 21st Century

SUSTAINABLE DEVELOPMENT

OUR FOCUS & COMMITMENT

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Discussion Topics



What is Remanufacturing?

What are the benefits of remanufactured products?

What concerns are being voiced about trade in reman goods?

What modernization of trade laws are we seeking?

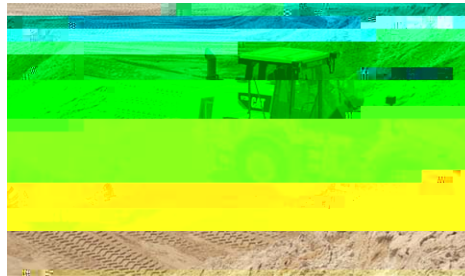
Reduce

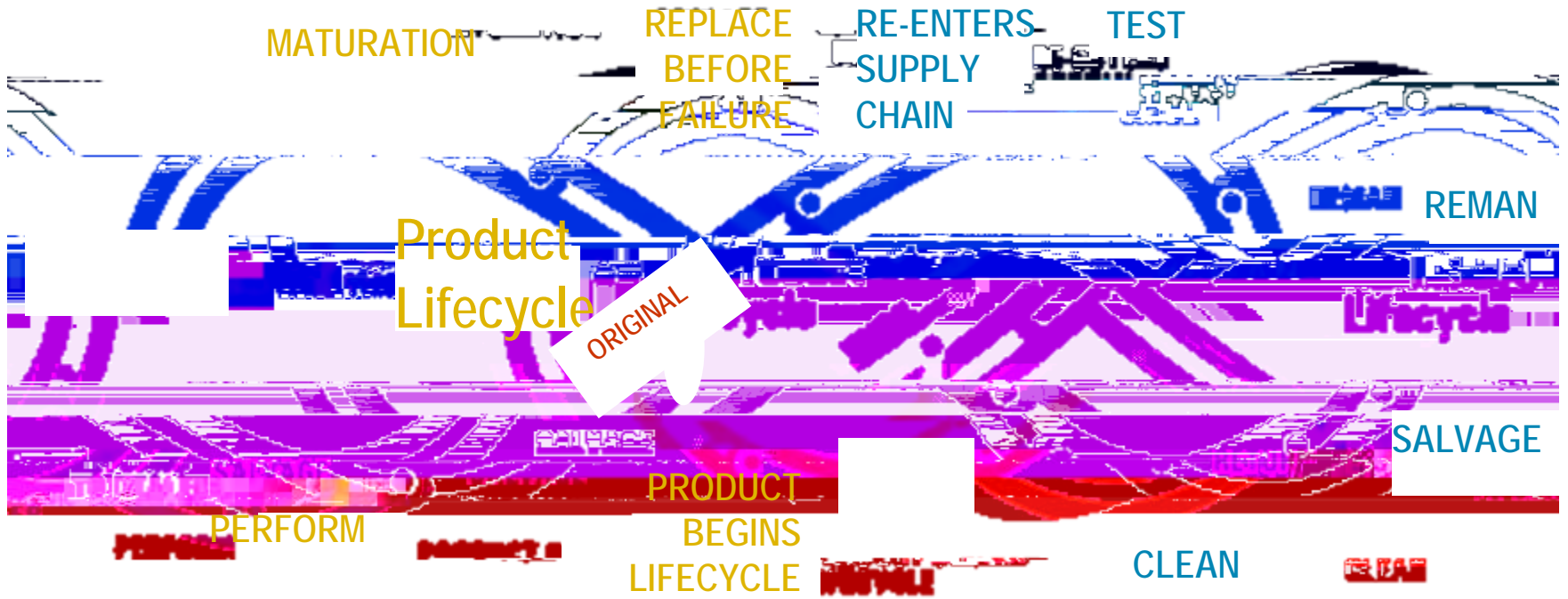
Reuse

Recycle



Caterpillar is Making Progress Possible





The process of returning an end-of-life, broken or blemished product to “same-as-new” condition in a manufacturing environment.

Reduce Reuse Recycle



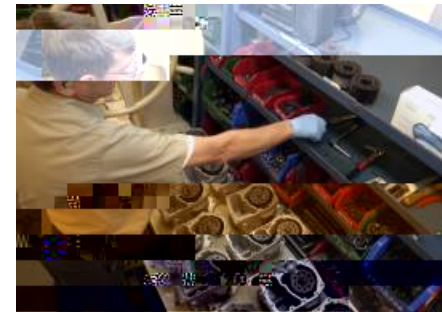
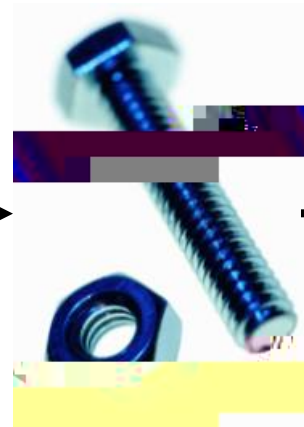
The Reman Business Model...

End-of-life
Material

Advanced Recycling
Technology

New Material

Assembly & Test

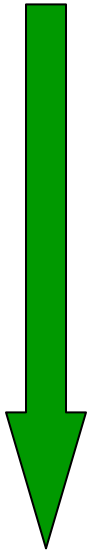


1. *Remanufactured Products are brought back to original condition*
2. *Remanufactured Products have “Same-as-New” quality & reliability*
3. *Remanufactured Products are not “Used Goods”*
4. *This is an exchange business*





Less



- Green House Gases**
- Raw Material Use**
- Landfill Waste**
- Energy Use**
- Water Use**
- Cost to Customer**

- Value to Customer**
- Recycling**
- Jobs**



Reman – Trade Concerns



Existing laws for new parts apply to remanufactured parts

Consumer safety

Existing consumer protection laws apply

Dumping of used goods

Reman core recovery (1-for-1 exchange)

Intellectual Property

All existing Intellectual Property laws apply

Labeling

Truth-in-labeling laws apply

Unique Reman part numbers & labeling

Product quality

Same-as-New warranty

Recognised by ISO, IMO,

multiple Free Trade Agreements

No Multilateral common reference for remanufactured parts

Available freely to customers in most countries

Too many countries still impose tariff and non-tariff barriers on remanufactured goods

- **Classified as « used » goods**
- **Import prohibited**
- **Core export prohibited**
- **Heavy bureaucratic processes**



Remanufacturing...

Good for Customers

Good for Business

Good for the Environment



For more information about
our company, visit
www.caterpillar.com

