

Welcome to the second lesson on Continental EM tires. In this section we explain the demands placed on these tires. We will then go on to take a closer look at the areas of application and answer the following questions for you:

- What demands are placed on Continental EM tires?
- Where are EM tires used?
- What are the criteria for using EM tires?

This information will give you an idea of how EM tires are used.

As we found out in lesson 1.1, EM tires are used on earth movement machinery. Therefore, the **demands** placed on Continental EM tires are high:

- **extremely high resistance to damage**
- **optimum traction on difficult terrain**
- **high operating efficiency**

These properties make them the ideal choice for **OTR** use, which stands for **Off The Road**.

To give you an idea of the difficult conditions in which they are used, we would like to show you the most important areas of application for vehicles which are equipped with EM tires.

- **gravel and sand pits**
- **quarries**
- **mining**
- **landfills**
- **smelting works**
- **road construction**



fig. saw-mill service

What are the criteria for using Continental EM tires now? Here is a short list containing some points:

- good mileage performance
- good protection of the tread and side wall
- excellent off-road traction
- high stability
- good self-cleaning effect

These criteria contribute towards **high operating efficiency**. We have now compiled the following table to show you which Continental EM tires are best suited to which type of **application**:

Earth Moving (Off-The-Road)			
rock, sharp-edged obstacles, gravel	sand, gravel	soil, mud	asphalt
R 74	E 58		R 74
E 7 RIB E 7 GRIP			
	LC 100		LC 100

fig. earth moving

EM tires are particularly well suited for what tasks?

long distance haulage

stacking/lifting

multi-purpose

earthmoving

- **Continental EM tires are ideally suited to off-road applications.**
- **Extremely high resistance to damage, optimum traction and high operating efficiency are their hallmarks.**
- **Vehicles which are equipped with EM tires work under difficult operating conditions, such as in gravel and sand pits, quarries, mining, on landfills, at smelting works and in road construction.**