

# success story

# AWWB

## Use of **simalube** lubricant dispensers in gravel pits

The problem faced at gravel pits is that the extracted gravel can almost never be processed at the point of extraction. This means miles of conveyors to haul the gravel to the washing and sorting area. Since the conveyor belts cannot be infinitely long, owing to the weight, they are required to transport, many belts are connected one behind the other.

Each individual conveyor belt has to be driven by a motor whose drive shaft requires lubrication. In addition, two lubrication points that also require regular lubrication are located on each deflexion pulley.

Operating conditions are tough since the systems are used in the open air and the extreme temperature fluctuations, mud, dirt and moisture are difficult operating conditions for the bearings. Consequently, continuous supply of lubricant is absolutely essential. Using centralised lubrication systems is technically very complex owing to the very long distances between the individual lubrication points. Manual lubrication is very cost-intensive owing to the extremely long time required as a result of the large distances involved. Consequently, our **simalube** lubricant dispenser is the ideal alternative for servicing and maintenance of the installations.

Using **simalube** is an intelligent solution since it can be used irrespective of whether the environment is damp and at temperatures between  $-20\text{ }^{\circ}\text{C}$  and  $+55\text{ }^{\circ}\text{C}$ . These two arguments alone are enough to convince many users. One other argument in favour of **simalube** is that it can be adapted to changing operation dependent on season at any gravel pit thanks to its steplessly variable emptying function. Quarries shut down at a temperature of approx.  $0\text{ }^{\circ}\text{C}$  -  $+5\text{ }^{\circ}\text{C}$ .

