Kleemann │ Project on Big Island: The MOBICAT MC 110i EVO2 Crunches Its Way through the Hawaiian Blue Rock

On Hawaii’s main island, Big Island, a MOBICAT MC 110i EVO2 mobile jaw crusher has been deployed for the production of material to be used in the laying of a wastewater sewer pipe. The sewer is being constructed alongside the highway from the town center to a new residential development. The challenge here is the hard volcanic rock that needs to be crushed – the so-called Hawaiian Blue Rock.

Powerful Performance in Hard Volcanic Rock

Big Island is the largest of the Hawaiian Islands and, with Kilauea and Mauna Loa, is home to two of the world’s most active volcanoes. The properties of the lava from eruptions vary from rocks containing gas bubbles and jagged edges to extremely dense and hard basaltic rocks from the cooled interiors of lava flows. This so-called Hawaiian Blue Rock is a hard basalt with a shiny bluish tint that is in high demand due to its exceptional quality, but is also particularly hard to crush. For this project, contractor Goodfellow Bros. therefore required a particularly rugged and simultaneously reliable and powerful crusher that could meet these requirements. The contractor chose a Kleemann MOBICAT MC 110i EVO2 mobile jaw crusher for the job, which is used for pre-crushing almost all types of natural stone and in recycling processes around the globe.

The Overload System Guarantees High Plant Utilization Rates

The Blue Rock is being crushed to produce aggregates for the sewer construction project in two grain sizes: 0-20 mm for the base layer and 0-100 mm for filling. The new-generation EVO2 mobile jaw crusher from Kleemann is designed to deliver an optimal material flow and, thanks to its high hourly output, is a particularly cost-efficient crushing solution. Its multi-stage overload system detects and automatically regulates sporadic overload situations caused by excessively hard and uncrushable materials. This increases the machine’s utilization rate.

Easy Handling for Any Operator

Machine operator Bully Fergerstrom was impressed by the quality and solid build of the machine and particularly emphasized the user-friendly functions like the Continuous Feed System (CFS) and the intuitive operating concept that guides him through the process workflow on the project site. “I like the functions. They make sure I can do a good job. The user-friendly display guides me through the process and shows me what steps come next to get the machine up and running. Operating the machine is pretty easy.”

Outstanding Service: Thanks to the “Close to Our Customers” Principle

Especially on projects involving the crushing of exceptional rock types, a powerful machine with easy handling and close collaboration with a trusted local partner play a decisive role. This is why foreman Chris Pulgados appreciates not only the high quality of the machine, but also the outstanding service provided by local Wirtgen Group dealer Papé Machinery Agriculture & Turf: “The service they provide couldn’t be better. We’re so lucky to have them nearby. If we call them, it takes them only around five minutes to get here.”

**Photos:**



KLE\_MC 110\_EVO2\_Hawaii   
The rugged, reliable, and powerful Kleemann jaw crusher makes easy work of crushing the volcanic rock.

  
KLE\_MC 110\_EVO2\_Hawaii\_1  
The MOBICAT MC 110i EVO2 crunches its way through the Hawaiian Blue Rock.

   
KLE\_MC 110\_EVO2\_Hawaii\_2  
The particularly rugged, reliable, and simultaneously powerful MOBICAT MC 110i EVO2 from Kleemann ideally fulfills the challenging requirements.

Note: the photographs shown here are only previews. If you wish to publish them in other media, please download the higher resolution (300 dpi) versions from the link provided here.

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