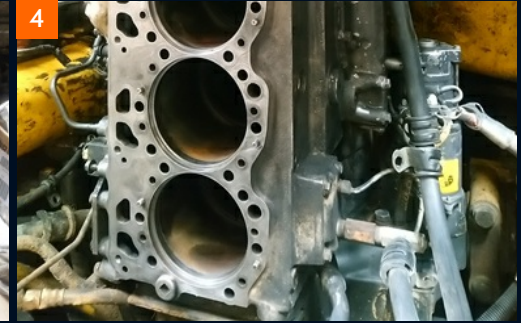


GLUING OF INSERTS IN ENGINE CYLINDERS.

ID: 8334



PROBLEM

It is required to glue inserts into engine cylinders. This glue has to bridge high temperature (over 110°C) and various engine chemicals.

APPLICATION SITUATION

This company uses the Komatsu bulldozer for road reconstruction. After some time the needed to change inserts in engine cylinders.

APPLICATION METHOD

Inserts and engine cylinders were chemical wash up. Then Belzona 1591 in thin layer was applied on to inserts (on bearing surface in upper part). Inserts were put in cylinders and cylinder head was assembled. Engine was completed after Belzona 1591 curing time.

BELZONA FACTS

The repair using traditional glue was out of order. Belzona 1591 was perfect, quick and available solution.

INDUSTRY

Transport

LOCATION

Construction company, Slovakia

APPLICATION DATE

June 2020

PRODUCTS

Belzona 1591 (Ceramic XHT)

SUBSTRATE

Carbon steel

PHOTOS

1. Komatsu bulldozer ready for repair
2. 6 engine cylinders with red arrow indication of gluing
3. Inserts and engine cylinders were chemical wash up
4. Engine ready for operation.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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