

Reconditioning of exhaust valve cages

We believe that there is no short cut to producing a first class reconditioned product. We have established the correct welding parameters, pre- and post- heat treatment thereby removing the likelihood of cracking through the use of incorrect material and procedures. SDS’s repair procedures are strictly controlled to ensure a quality repair every time.

The seat and landing end of the water cooled cage is removed – often revealing complete blockage or erosion of the coolant passageways.

We manufacture at our facility, a new exhaust valve seat, the seat is the stellite on the valve seating face to ensure hardness. The water resistant passageways are cleared and the nose end is then welded onto the body.

Material analyses are taken to ensure the correct matching material is used for the new exhaust valve seat (nose). Finish machining is attended to with equal care. Attention to the detail is essential – in particular the stellite valve seating and valve cage landing faces leave no margin for error. The same meticulous attention to the detail is applied to the reconditioning of the upper and lower components of both cooled and un-cooled two piece valve cages. Before the exhaust valve cage is complete, we machine the guide bore and fit new valve guides in housings/cages. The exhaust valve cage in the complete painted, boxed and ready for delivery...

