



MACHINING TECHNIQUE & ENGINE RECONDITIONING

*High performance
machining solutions
for valve seats and
valve guides*

cavitation damage

***Cavitation damage
behind watercooled
exhaust seats?***

***Now here's the
ultimate solution for
an expensive problem!***

Read more inside!

Cavitation damage

It is one of the most expensive nightmares that can happen to your engine: extensive cavitation damage!

Slowly but surely - over time - (sea)water eats away the rims and inner linings of your engine valves. Difficult to see, even more difficult to reach. Let alone to repair that with an oversized valve seat!

Unfortunately it is not possible to mount an oversized valve seat when the pocket is too seriously damaged...



Different forms and stages of cavitation damage.



"Will I ever be able to return to this fine condition with my engine?"
We guarantee:
"Yes, you can!"



The solution!

CF Techniek BV, based in Krabbendijke - Holland, has developed a special solution* that will fully address this problem in a unique way, saving you time and money.

First the cavitation damage has to be removed during a CNC machined process to which the centre line of the valve guide functions as the major reference line for the CNC machining procedure.

The process is simply described by fitting specifically designed and produced valve inserts, also called 'sleeves' inside the damaged valve pocket.

These sleeves are manufactured out of a highly durable alloy which has been intensively tested in several types of diesel engines.

* CF Techniek BV has invented this special method in co-operation with several insurance agencies and marine diesel engineers

STEP 1: Cavitation damage removal procedure



Before

During the process

After

STEP 2: Mounting the sleeves into the valve pockets



Stage 1



Stage 2



Stage 3



(close up)

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CF Techniek: centrally located

Our company is conveniently situated between the big sea ports in the south-west of the Netherlands and Belgium, so we can carry out fast repairs. All work and services are carried out at our manufacturing facilities.



Flushing

Zeebrugge

Terneuzen

Rotterdam

Antwerp



All our quotations, all orders placed with us and all contracts concluded with us are subject to the METAALUNIE conditions, filed with the registrar of the District Court of Rotterdam, as stipulated in the latest text lodged with the said court. The conditions of delivery and payment will be sent to you upon request.