



SEMCO* IC

Inner Cleanliness Coatings for the latest engine technology

VESUVIUS



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Coatings providing improved inner cleanliness for latest engine technology

Introduction

Today the influence of a coating applied at a thickness of about 3 human hairs goes way beyond the actual cast component; it can beneficially modify the metal matrix, resulting in an improvement of the performance of the motor, and extend the service interval sequence of modern combustion engines.

Coating for improved inner cleanliness:

The service interval frequency of modern engines becomes longer and longer, in effect the mileage until an oil or coolant change is required, has increased over the years in average by 3 times. SEMCO IC removes remaining particulate in all complex channels of engine blocks and heads most efficiently and hence leads to longer lasting oil or cooling liquids in an engine. This results in extend engine performance and at the same time reduced emissions: SEMCO IC.

Benefits

The SEMCO IC concept enables engine manufacturers of all kinds to further optimize the trend of new, emission-reduced and performance-enhanced engines.

- + Reduction of remaining dirt in inaccessible parts of the engine (head and block)
- + Reduction of rework and cleaning costs
- + Improvement of engine performance
- + Extension of service intervals
- + CO₂ emission reduction

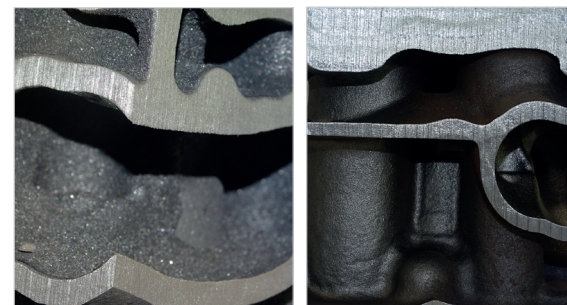
Product description

The SEMCO IC coating family is a series of water-based coatings developed for use in automotive castings to improve cleanliness of most intricate areas in engine blocks and heads.



Impurities in the cooling circulation system

Conventional coating (left) - SEMCO IC coating (right)



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