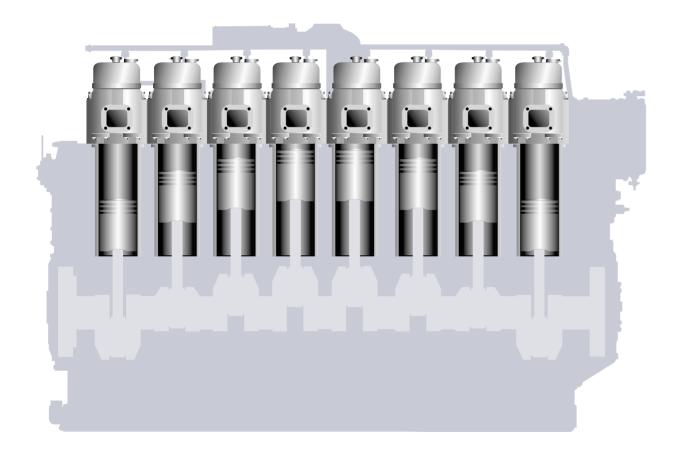
## FOR ALL THOSE WHO WANT TO OVERHAUL RAPIDLY AND SAFELY!

# STORM Technology and service for engines and prime movers

### The Minor ECOS®- Engine Overhaul



We are on the move

Heads, pistons, sleeves - are the key words for the minor ECOS\* engine overhaul. With over 65 years experience in component reconditioning, we have built a service programme for our customers that ensures a smooth and flawless overhaul with the shortest possible down time and a precise, appropriate reconditioning of all engine parts.

We go through everything with you in detail before the reconditioning starts. And everything comes from one source - from inspection to the start-up operation.

See the overleaf for the scope of services included in the **Minor ECOS\*- Engine Overhaul.** 

See for yourself what we have to offer!







## The Minor ECOS®- Engine Overhaul Overview of our services:





### Preparatory work. dismantlement, evaluations

- dismantling of the engine
- cleaning of the parts
- evaluation together with the customer (operator) or external consultants
- determination of the exact scope of the reconditioning by the customer
- change of the quotation or, respectively, agreement
- increasing / decreasing the scope of the reconditioning



#### Standard service for the reconditioning of the engine

- cylinder liners
  - replacement if necessary
- pistons
  - dismantling, cleaning, evaluation
  - replacement if necessary
  - preparation of a data sheet
  - replacement of the piston rings
- connecting rods
- dismantling, cleaning, evaluation
- overhaul or replacement if necessary
- optional ECOS\* exchange connecting rods
- · spark plugs / injection nozzles
  - replacement



- dismantling, cleaning, evaluation, and pressure testing (standard new parts gaskets and washers)
- fitting with the required new parts
- replacement if necessary
- vibration damper
- replacement if necessary
- · replacement of all required gaskets and washers, shaft sealing rings and o-ring seals.
- · assembly of the engine



#### Standard service for the overhauling of components

- circulation pump
  - dismantling, cleaning, evaluation
- fitting with the required new parts
- throttle valve and governor lever
  - dismantling, cleaning, evaluation
- fitting with the required new parts
- · mixture cooler / charge air cooler
- - visual inspection
- cleaning if necessary
- carburetor / injection pump
- visual inspection, cleaning if necessary
- turbocharger
  - reconditioning or replacement if necessary
- · exhaust gas collecting pipe
  - reconditioning or replacement if necessary



#### Assembly of the engine and the mounting of all components

- · complete assembly of the engine
- leak test



#### Scope of the reconditioning of the power unit

- · always in agreement with the customer (operator) the evaluation of the condition of the:
- catalytic converter (if applicable)
- exhaust heat exchanger
- clutch
- elastic bearings
- generator



#### Start up of the engine handing it over to the customer (operator)

- · testing and readjustment of the engine or power unit parameters
- start up
- ignition adjustment
- engine test run on site in three load stages
- documented inspection of the exhaust data
- · handing the engine over to the customer with a final consultation
- certificate of acceptance (start-up report)
- begin of the warranty













