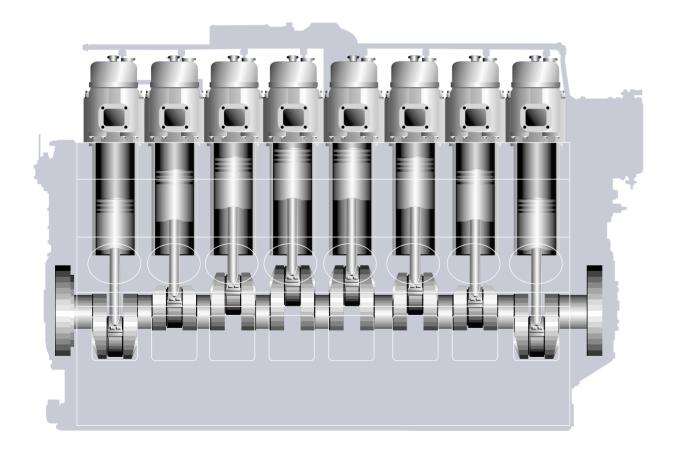
# GIVE YOUR ENGINE A NEW LEASE ON LIFE!

# The Major ECOS®- Engine Overhaul



We are on the move



With the major ECOS\*- engine overhaul we offer you a comprehensive project handling including inspection, disassembly and operation restart.

Our experienced specialists execute all services smoothly and on time.

A main feature of our large revision is the precise analysis of the condition of all individual components of your engine. Only after a thorough examination we decide together with you on the extent of the reconditioning and replacement of parts.

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

Talk to us and see for yourself our range of services!







# August Storm GmbH & Co. KG / 06/

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





## Standard service for reconditioning engines

#### crankcase

- measurement of the main bearing bore and the reworking if necessary
- replacement of the main bearings
- measurement of the camshaft bore and bearings and their reworking if necessary
- replacement of the camshaft bearings if necessary

#### · crankshaft

- testing for cracks and for concentric running
- preparation of a data sheet
- polishing, grinding if necessary

#### 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
 preparation of a data sheet optional – ECOS\* exchange connecting rods

#### camshaft

 testing and polishing, overhaul or replacement if necessary

#### tappe

- replacement if necessary

#### overhaul of the cylinder head

 ECOS\* cylinder head, see separate description of this service - programme optional - ECOS\* exchange head

#### · spark plugs / injection nozzles

- replacement

#### oil pump

dismantling, cleaning, evaluation
 fitting with the required new parts, replacement if necessary

#### oil cooler

- dismantling, cleaning, evaluation, and testing under pressure (standard new parts – gaskets and washers)
- fitting with the required new parts, replacement if necessary

#### piston cooling

- cleaning and checking of the functioning

#### gearbo

- replacement of the gear wheels as required

#### vibration damper

- replacement if necessary
- replacement of all required gaskets and washers, shaft sealing rings and o-ring seals.
- · engine assembly

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# Standard service for overhauling components

#### water pump

- dismantling, cleaning, evaluation
- fitting with the required new parts

#### starter

- dismantling, cleaning, evaluation
- fitting with the required new parts (standard new parts bearings, sleeves)

#### throttle valve and governor lever

- dismantling, cleaning, evaluation
- fitting with the required new parts

#### mixture cooler / charge air cooler

- cleaning, evaluation, pressure testing

#### · carburetor / injection pump

- dismantling, cleaning, evaluation
- fitting with the required new parts (standard new parts – membranes and gaskets and washers)
- test stand run of the injection pump

#### turbocharger

- reconditioning
- dismantling, cleaning, evaluation
- fitting with the required new parts

#### · exhaust gas collecting pipe

- visual evaluation fitting with the required new parts or complete replacement
- replacement of insulation if necessary

#### assembly of the engine mounting of all components

- complete assembly of the engine
- leak test
- painting of the engine as requested by the customer or with the original colour

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#### Reinstallation of the engine, start up and handing it over to the customer (operator)

#### · reinstallation

- transport
- unloading
- emplacement
- placing and mounting of the engine / power unit (STORM or customer)
- leak test
- 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













