

	TECHNICAL SPECIFICATION FOR SPARE PARTS SUPPLY AND SERVICES OF VORECON GEAR OF BOILER FEEDWATER PUMPS ON UNIT 6	Rev. 1 Date. 27.6.22 Page 1 of 3
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Actual specification includes **3** pages

1 OBJECTIVE

This specification includes minimal requirements for the supply of spare parts and services for Vorecon gear of boiler feedwater pumps on Unit 6 of the Šoštanj thermal power plant for major overhaul in 2025.

2 BACKGROUND

The Vorecon Typ RW 15-14 F8 is variable speed coupling, which transmits power in a wear-free manner from electromotor to main feedwater pump.

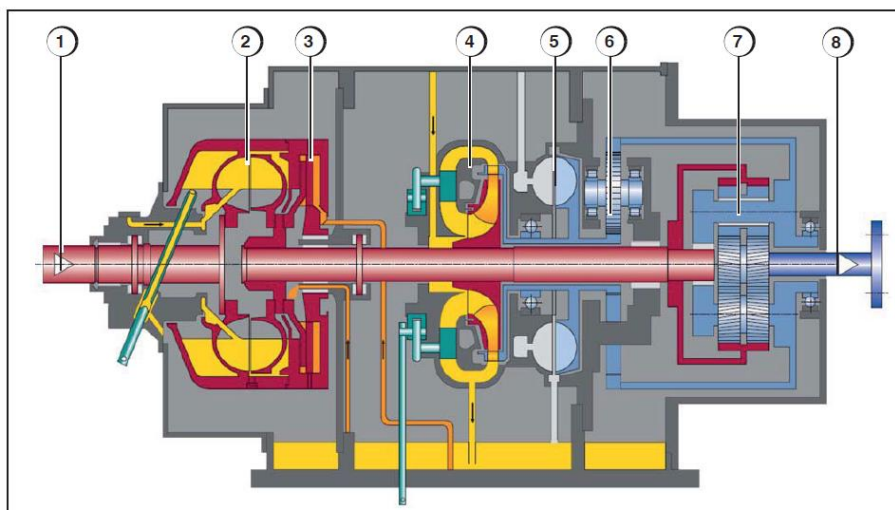


Illustration 3-1: (Display variant) Design of Vorecon

- | | | |
|---------------------------|------------------------|----------------------------|
| 1 Input shaft | 4 Torque converter | 7 Revolving planetary gear |
| 2 Variable speed coupling | 5 Hydrodynamic brake | 8 Output shaft |
| 3 Lock-up clutch | 6 Fixed planetary gear | |

To warrant the safety and operational capability of the plant a general inspection is required for the following items:

- Vorecon variable speed coupling every 8 years or 50.000h,

Operating hours will be reached, therefore a revision is required.

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The tender comprises two separate lots (for two vorecon):

LOT 1: 1 Set of spare parts for general inspection on Vorecon

LOT 2: Supervision service for inspection and commissioning service on two Vorecons.

3 SCOPE OF SUPPLY

Set of spare parts for general inspection on Vorecon-1set (LOT 1)

4 SCOPE OF SERVICES

Supervision service for inspection and commissioning service on two Vorecons (LOT 2)

Main tasks:

- a) Disassembly.
- b) Inspection of all parts for wear and reusability.
- c) Replacement of bearings and seals.
- d) Assembly according to drawing.
- e) Commissioning

Contractor provide all special tools needed.

5 WARRANTY

In the case of deviation from guaranteed performance, poor quality and application of inadequate material, the manufacturer or distributor must immediately take appropriate action to remedy the deficiencies or deliver adequate new part of the relevant material (within 2 months). The cost of correcting shortcomings shall be borne by the manufacturer or distributor.

All assembled parts must ensure designed operation of the Vorecon unit according to the original operation and maintenance manual.

For the parts which will be replaced during the warranty period the new warranty period has to be at least 36 months after the original equipment delivery date.