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|  | <b>TECHNICAL SPECIFICATION FOR SERVICES<br/>OF VORECON GEAR OF BOILER<br/>FEEDWATER PUMPS ON UNIT 6</b> | Rev. 1<br>Date. 16.2.25<br>Page 1 of 3 |
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## TECHNICAL SPECIFICATION FOR SERVICES OF VORECON GEAR OF BOILER FEEDWATER PUMPS ON UNIT 6

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Actual specification includes **3** pages

## 1 OBJECTIVE

This specification includes minimal requirements for the services for Vorecon gear of boiler feedwater pumps on Unit 6 of the Šoštanj thermal power plant for major overhaul, planned in May-June 2025.

## 2 BACKGROUND

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

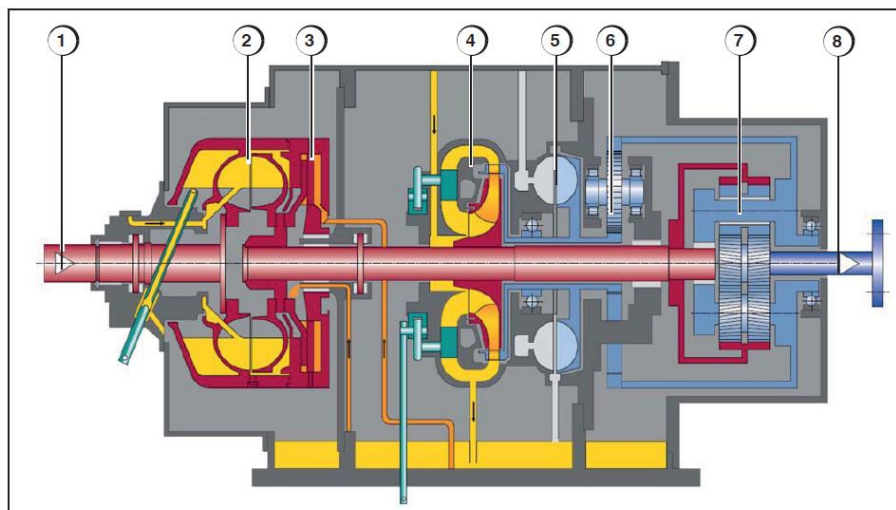



Illustration 3-1: (Display variant) Design of Vorecon

- |                           |                        |                            |
|---------------------------|------------------------|----------------------------|
| 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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### 3 SCOPE OF SERVICES

Supervision service for inspection and commissioning service on two Vorecons.

Main tasks:

- a) Disassembly.
- b) Inspection of all parts for wear and reusability.
- c) Replacement of bearings and seals.
- d) Assembly and shaft alignment according to drawing
- e) Commissioning
- f) Other things needed for a successful overhaul

Contractor provides all special tools needed.

### 4 REFERENCE

The bidder provides two references for the overhaul of similar variable speed coupling within the last five (5) years (from the date of submission of the application).