

# CASE HISTORY REPORT

INPRO-SEAL-EUROPE : 2002-01

# INPRO/SEAL

**CUSTOMER:** *B.A.S.F*

**LOCATION:** *Feluy, BELGIUM*

**INDUSTRY:** *Petrochemical*

**END PRODUCT :** *Plastifiant and additive for garment fibber*

## APPLICATION DESCRIPTION:

Boiler feed pump, 100 °C ( $\pm$  210°F), stuffing box sealed with compression packing. A constant small leakage, of the packing, exists all the time. This water leakage vaporizes and comes into the bearing housing and destroys the sleeve bearing.

The split bearing housing was sealed with OEM labyrinth: oil baffles + deflector.

The previous MTBF was 6 to 9 months. The repair cost was :  $\pm$  70 work hours (3 days with 3 workers) at 60 Euros /h  $\Rightarrow$  4 200 Euros + pieces and risk of production losses.

We proposes a VBXX-D – FLOATING O-RING – TURBINE FIT to replace the OEM labyrinth. The installation was made with the technician of K.S.B Service, Wavre, Belgium.

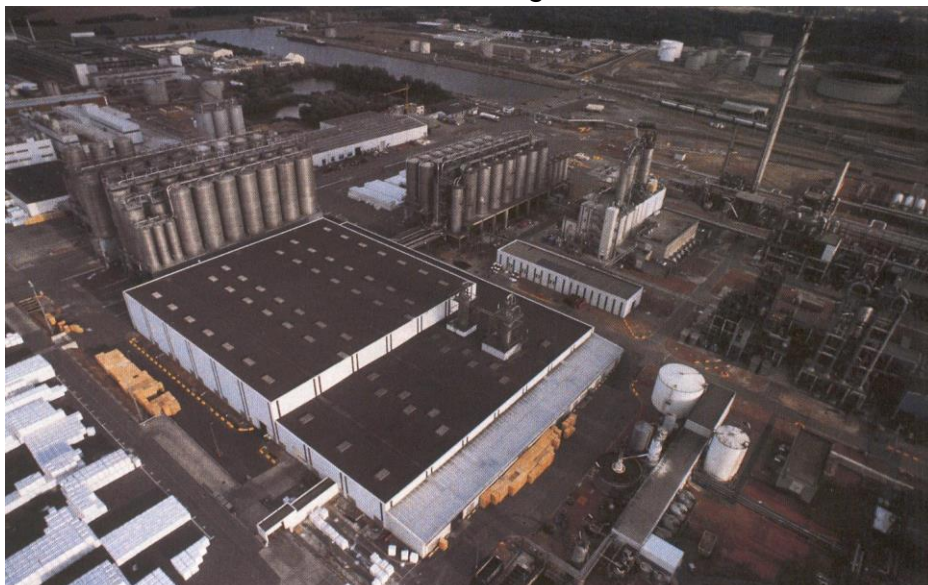
Just a couple of days after the pump started, BASF verified the efficiency of Inpro/Seal Bearing isolator.

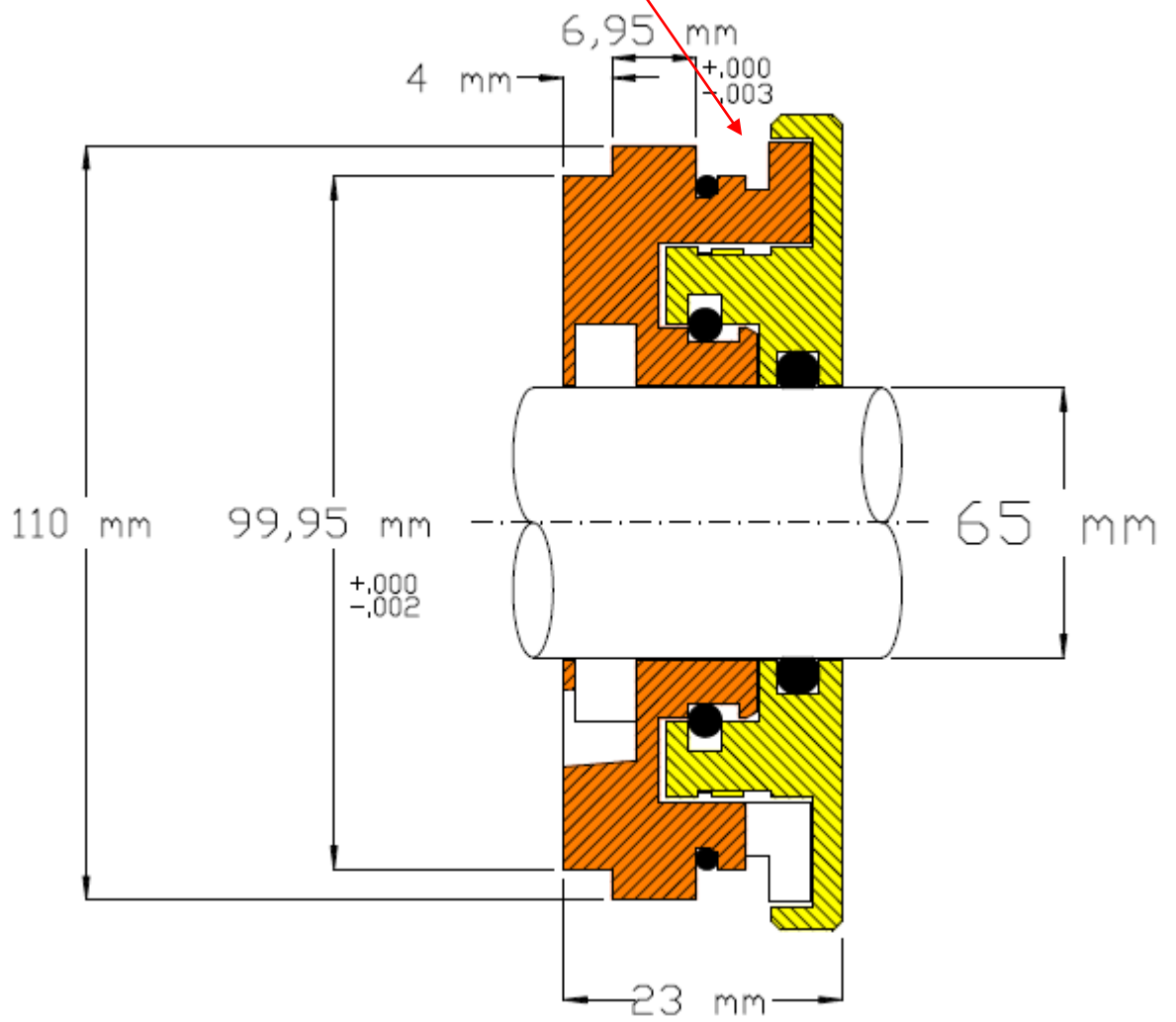
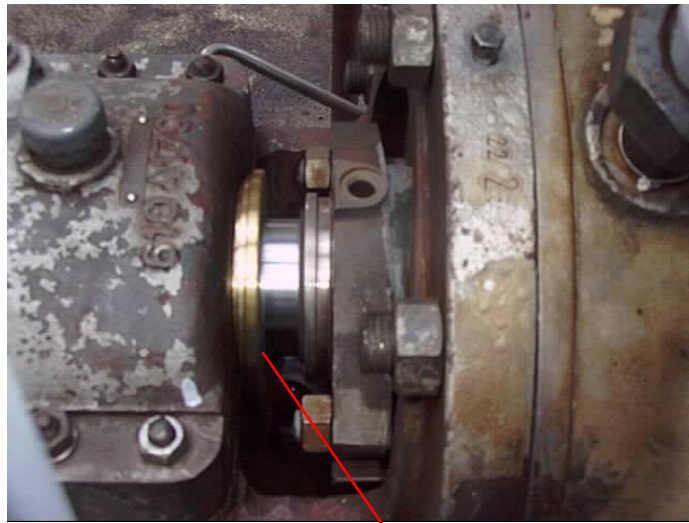
## TECHNICAL DETAILS :

**Manufacturer:** K.S.B, HDB type, 125-100, Horizontal Multistage.

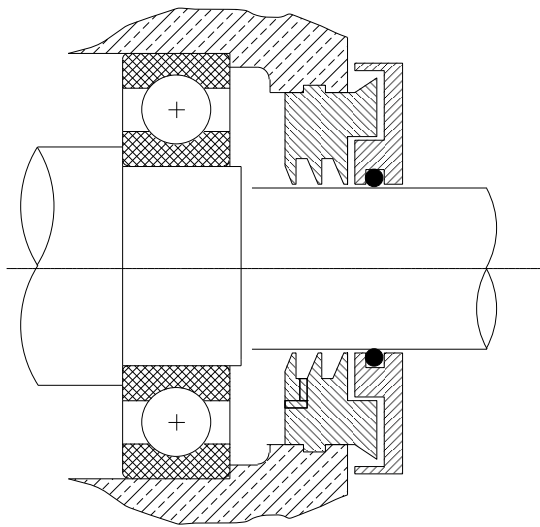
**Shaft size:**  $\varnothing$  65 mm

**Inpro B.I:** VBXX-D – FLOATING O-RING – TURBINE FIT.  
B.I N° 1901-A-24255-0\*, Drawing number TN06541.

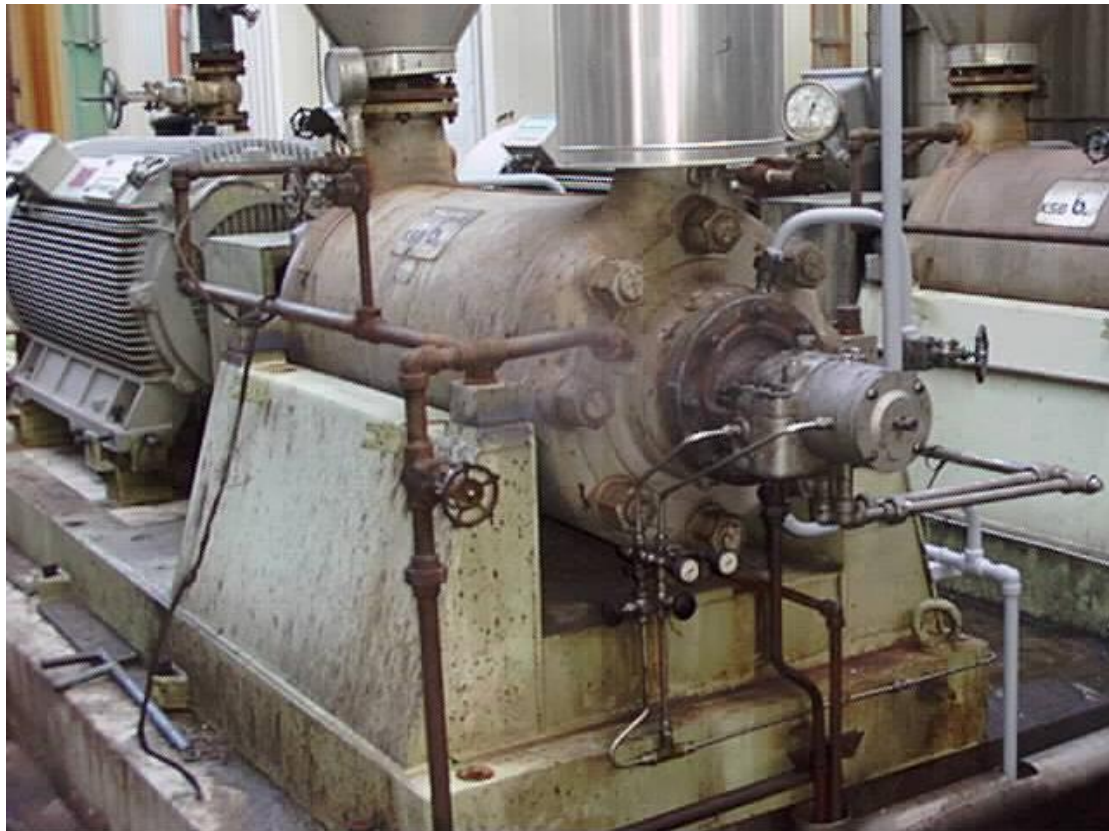


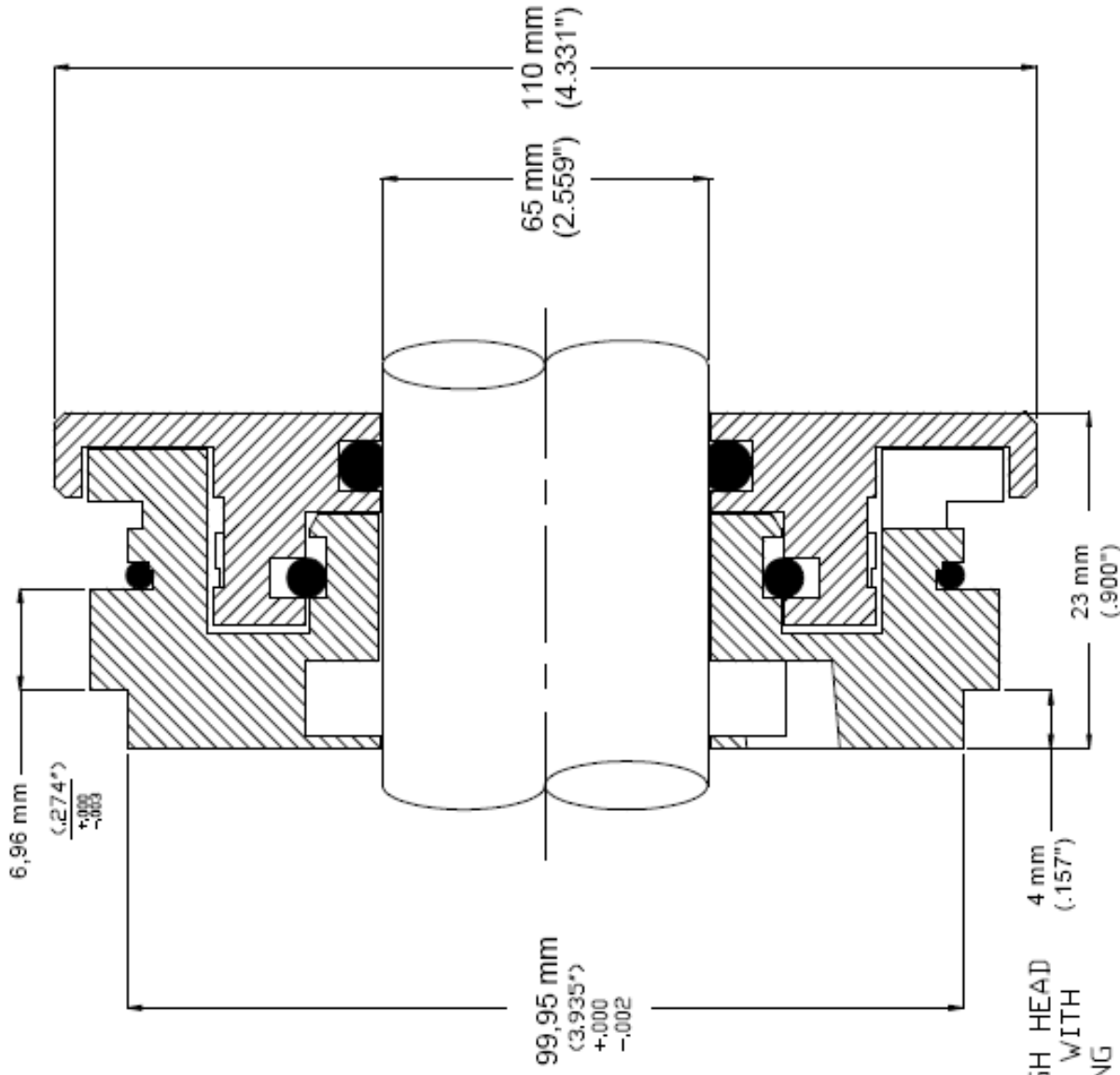


## O.E.M OIL BAFFLE



## K.S.B – HDB 150-100





.900" DAL VBXXD HIGH HEAD  
TURBINE FIT DESIGN WITH  
.060" FLOATING O-RING



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U.S. PATENTS:

5,378,000	5,069,461
5,335,921	4,989,883
5,221,095	4,706,968
5,161,804	4,466,620
5,158,304	4,304,409
5,137,049	4,175,752
5,074,567	4,114,902

INPRO/SEAL

BEARING ISOLATOR

DATE 22 AUG 02  
AND OTHERS PENDING

TN06541



