

**CASE
HISTORY
REPORT**



INPRO/SEAL

Company name: **DUVIVIER**

Location: **Bruges-Belgium**

Industry: **Motors and Geared Motors Repair Shop**

Duvivier in Bruges is a repair shop company. They are in charge of repairing 12 small vertical mixers, for a chemical Company.

The bearings are sealed by lip seal. The M.T.B.R (Mid Time Between Repair) IS APPROXIMATELY 3 to 5 weeks. They asked the INPRO/SEAL local distributor to find a solution.

A standard VBXX VERTICAL DOWN Design, Ø 40 mm (1.575”) x 66 has been installed. After 7 weeks the mixer was back in the repair shop.

The Inpro Seal labyrinth was damaged, we observed:

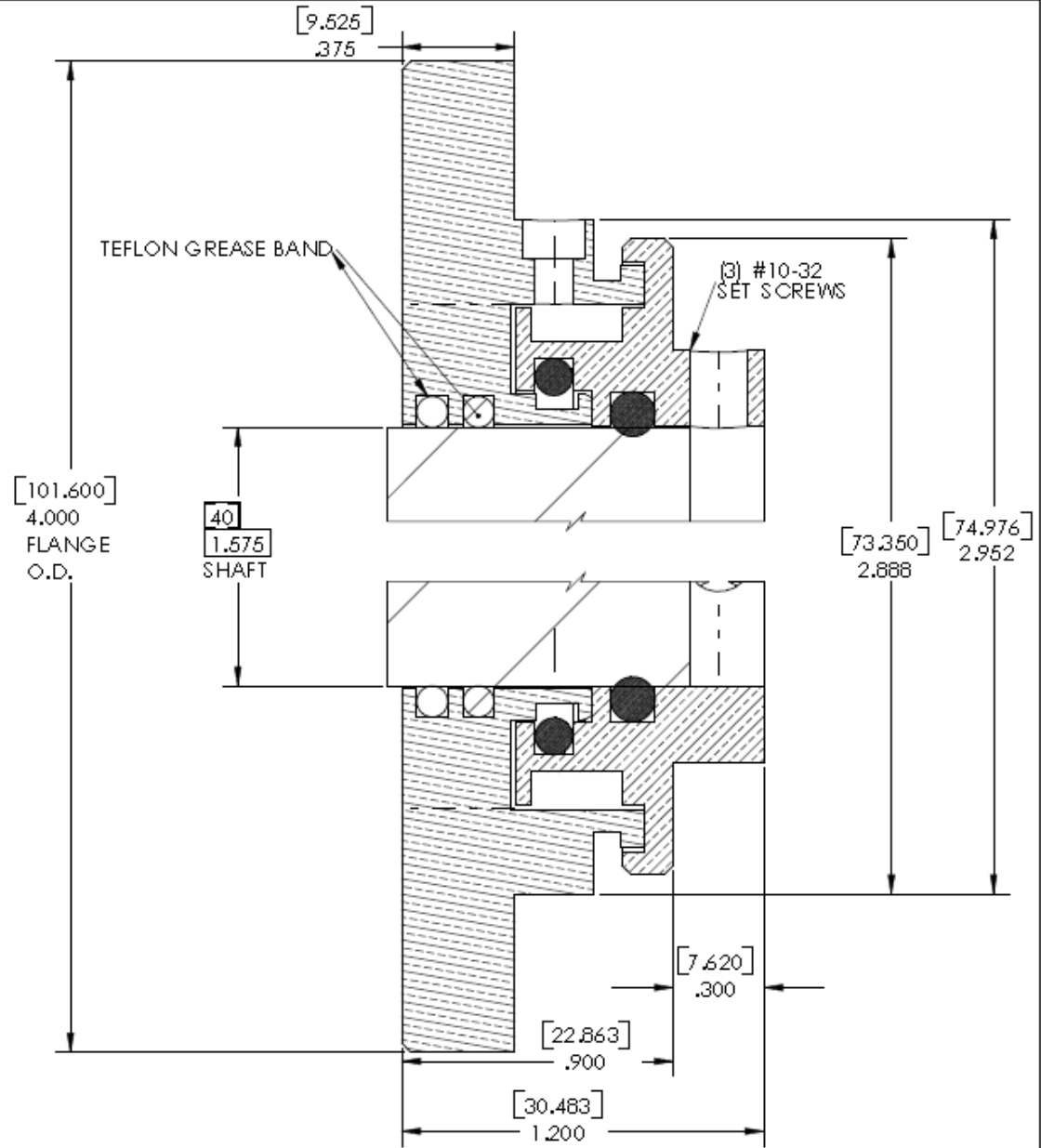
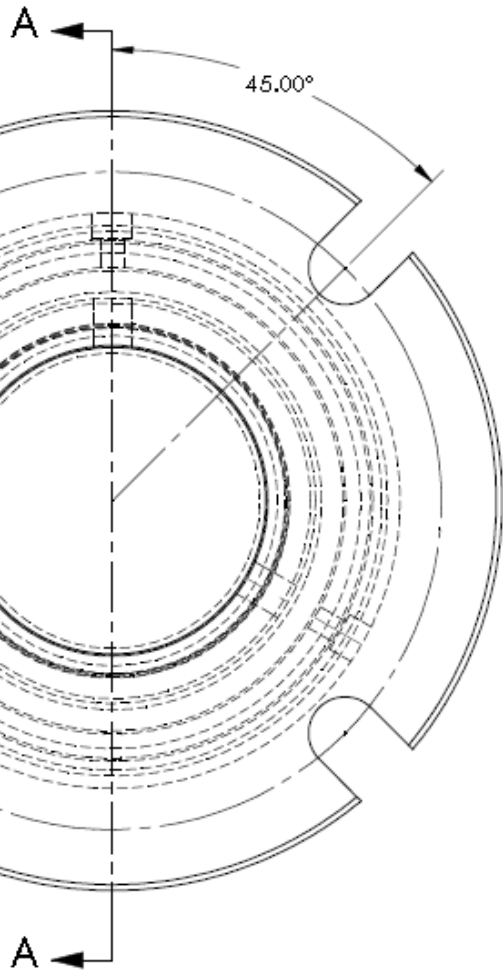
- 1 - The Stator has turned in the Bearing cover.
- 2 - The Rotor is separate from the Stator.
- 3 - The Rotor has moved and turned on the shaft.

The Regional Manager proposed a special DESIGN to avoid any of these troubleshooting.

1 - Flange Mounting. 2 - Cap Lock Design 3 – Integral Locking Collar.

After 3 months of continuous running the end user has asked Duvivier to install the same Inpro Bearing Isolator on the other mixers.

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 $\varnothing 3.375$
 D.B.C.



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U.S. PATENTS
 7,090,405 6,082,585 5,174,555
 7,353,014 5,921,329 5,155,304
 6,439,253 5,285,441 5,134,049
 6,511,954 5,495,006 5,074,287
 6,254,409 5,275,020 5,089,461
 5,355,921 4,929,555
 5,221,095 4,552,550
 AND OTHERS PENDING

INPRO/SEAL BEARING ISOLATOR

DATE 06 MAR 08 DRAWN BY: TAF

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