



## LabTecta® puts a stop to eight-year oil leaks

Excessive shaft wear from the lip seals on the input and output shafts on an extruder was causing problems at a Japanese chemical plant.

The damage to the shaft was resulting in continuous oil leaks, with level of oil having to be constantly replenished and maintained, and the surrounding area having to be constantly cleaned. The normal cycle for an overhaul of the equipment is 12 years. The oil seal was replaced during a regular overhaul in 2011. However, leakage was already occurring by 2013. Since the equipment could not be disassembled or repaired, leaks continued for eight years until 2021.

In August 2021 the company installed AESSEAL® LabTecta®66RDS bearing protectors. The LabTecta®66RDS is the only radially-divided bearing protector with rotor/stator static sealing technology as standard. It has been shown to extend the bearing life of large high maintenance cost equipment and provides reliable protection against contamination and leakage. Its radially split design ensures easy installation and prevents shaft wear and damage to the equipment.

After more than four years there have been no further leaks and no requirement for shaft repairs. Initial savings to the company are estimated to be around US\$70,000, with further ongoing savings as a result of the reduction in maintenance costs. AESSEAL® has declared that the installation of the LabTecta® is intended to prevent further oil leaks for a period of 12 years, this being the regular maintenance cycle. This will result not only in a reduction in costly maintenance work, but also the elimination of safety issues in the workplace which had been caused by the chronic oil leakages.



## ‘No repairs and leak free for over four years’

|                |                              |
|----------------|------------------------------|
| Industry:      | Chemical                     |
| Product:       | LabTecta®66RDS               |
| Application:   | Extruder                     |
| MTBF Increase: | 300% (and counting)          |
| Savings:       | \$70,000 + maintenance costs |
| Reference N.O: | TD3110797                    |



[aes seal.com/info](https://aes seal.com/info)