

## Success Story



We are ERIKS, an experienced industrial service provider with one mission: to make your business work better and more efficiently.

Making industry work better, increasing efficiency, lowering total cost of operation and improving product performance. That is our goal.

In ERIKS, you have an experienced multi-product specialist, offering a wide range of high quality mechanical engineering components and technical and logistics services to all sections of industry worldwide. ERIKS success principles – PSI: Passion, Specialism and Innovation. Our people are passionate about technology, want to share and develop their specialism and are always looking to improve and find new ways.

**Product** : Butterfly Seat / PS Seal  
**Industry** : Food and Beverages  
**Customer** : Concentration Manufacturer

This company manufacture and supply beverage concentrates for more than 1 billion consumers in 20 Asia-Pacific markets. Currently, facing issue on the Seal failure due to flavoring chemicals.

### Case 1. Butterfly Valve Seat Failure

Butterfly valve seal is using FPM  
Application Temp: below 50 Deg C,  
Pressure: below 5 bar.



OEM Seal facing major swell/Wrinkle/Peel off due to chemical attack. Different type of emulsions, flavouring chemicals in recipe that are non-disclosure.



Offer alternative material of higher grade. Technical suggest using PTFE seat, but PTFE is too rigid. Source for suitable rubber material in test button are provided for client to do dip test first. Once material identified, rubber moulding company to produce the exact seat and seal.



Completion of sampling and supplied in 2019 April. Shorten customer down time during maintenance. New ETP material now last 3 months comparing to FPM only 1.5 months.

### Case 2. AF1 Oil Seal Failure

Oil Seal  
Application Temp: below 50 Deg C,  
Pressure: low pressure  
Media: Powder ( Very fine)



Spring found at horizontal screw housing interior/ gasket worn out. Another oil seal facing motor - spring and gasket intact. Oil seal direct contact with Ingredient does not has FDA compliance.



With Support from Technical we had identified the PS seal for proposal. Compliance for FDA is required.



Supplied PS seal in 2019 May and received good feedback from their QC. Identified root cause with effective interim/preventive action to avoid recurrence.

