



# FAILURE ANALYSIS REQUEST FORM

FAV1.5.2020

Date

repairs@flexaseal.com

applications@flexaseal.com

Vermont  
800.426.3594

Brazil  
55.11.3736.737

Louisiana  
225.484.0007

Texas  
832.804.7424

<b>Customer</b>	Contact	Phone N°
Location	E-Mail	
<b>End User</b>	Contact	Phone N°
Location	E-Mail	Part N°
Seal Size/Style		Drawing N°

**Level of Feedback Requested**

Level 1 - Observation: Visual inspection, no application data required  
 Level 2 - Observation & Analysis: Visual inspection and engineering analysis with write-up  
 Level 3 - Failure Analysis Report: In-depth engineering analysis and report

## PROCESS FLUID & OPERATING CONDITIONS

Product, % concentration, & pH		Additional notes	
S.G.	Clean	Cont.	
Viscosity	Dirty	Batch	
Solids size, %	Abrasive	<b>Environmental Controls</b>	
<i>Min.</i>	Crystallizing		API/ANSI Piping Plan
<b>Temperature</b> <i>Norm.</i>	Toxic		Sealing Fluid
<i>Max.</i>	Corrosive		Viscosity
	Hardening		Pressure
	Explosive		Temperature
Shaft Speed	<b>Process Pressure</b>	Reservoir size	
<i>Vapor</i>	<i>Seal chamber</i>	Cooling coils	
	<i>Suction</i>	Level switch	
	<i>Discharge</i>	Pressure switch	

## EQUIPMENT INFORMATION

Pump	Mixer	<b>Equipment Orientation</b>	Seal chamber modifications
Other:		Horizontal	Vertical
Manufacturer		<b>Seal Chamber Type</b>	
Model		Standard bore	Additional notes
Size		Big bore	
N° of stages		Taper bore	
<b>Material</b> <i>Sleeve</i>		Other:	Item N°
<i>Casing</i>		<b>Runout</b> <i>Radial</i>	<i>Axial</i>

## SEAL PERFORMANCE INFORMATION

Seal Time in Service, Notable Events and Previous Sealing Solutions

Description of Failure, Leak Source, Leak Rate, etc...

Perceived Cause(s) of Failure