

TECH BULLETIN 138



Integrated Wipers Added to Stainless Steel 2SF Seal Retainers

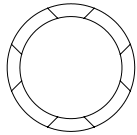
Cat Pumps engineers have updated the seal retainers on stainless steel 2SF pump models to include an integrated wiper. The wiper, built into the UHMW seal retainer, creates a tight seal around the titanium-oxide-coated plunger rods. If manifold seals become worn or damaged, the wiper helps reduce water entering the crankcase, improving protection of internal components.

This change applies to all stainless steel 2SF pump models with production dates of June 2026 and later.

Summary of Changes:

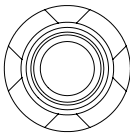
- Integrated wiper added to seal retainers on stainless steel 2SF pump models
- UHMW seal retainer improves sealing around plunger rods
- Provides an additional barrier against water ingress if seals become worn or damaged
- Applies to pumps with production dates of June 2026 and later
- Seal retainers now included in all stainless steel 2SF seal kits (qty: 3)
- Existing seal kit part numbers remain unchanged with the following exceptions:
 - Buna seal kit 34973 will be replaced by 855505
 - FPM seal kit 33453 will be replaced by 32517 (stainless steel 2SF models only)
 - EPDM seal kit 30536 will be replaced by 32518 (stainless steel 2SF models only)

Old Seal Retainer 44869

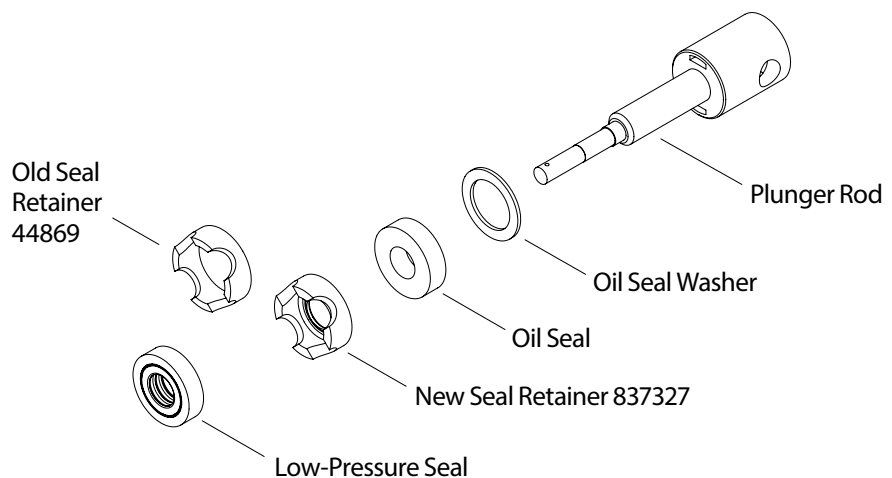


Without
Built-in Wiper

New Seal Retainer 837327



With
Built-in Wiper



Installation Notes:

- Apply a light coating of assembly oil to the plunger rod to ease installation
- Install using the same orientation as the previous design:
 - Flat side facing the oil seal in the crankcase
 - Notched side facing the low-pressure seal in the inlet manifold
 - Align seal retainer notches with the crankcase slots

Cat Pumps

Technical Services Department

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