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Transmission Oil Pan - Rubber-on-steel Overmolded Gasket

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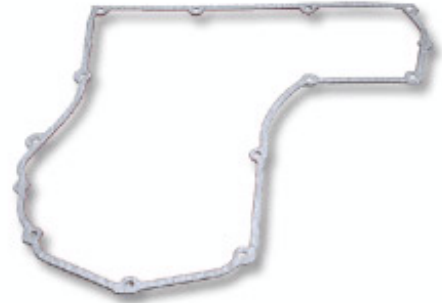
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Select-a-Seal Durability and Robustness Case Study Transmission Oil Pan

Rubber-on-steel Overmolded Gasket



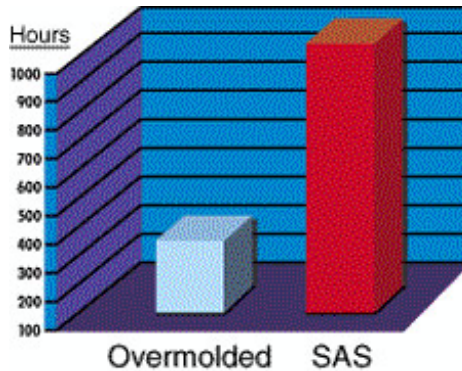
Transmission pan gasket users were dissatisfied with the high cost of rubber-on-steel overmolded gaskets. In thermal cycling tests, the test gaskets failed in under 265 hours due to delamination around bolt holes and stress relaxation.



A Select-a-Seal gasket, combining compression and adhesion, easily passed a customer mandated 1000- hour thermal cycling test, and exceeded the customer's requirement by 2.5 times (at which time the test was suspended).

Test Cycle:

-40C to 150C Continuous Cycle, 4 hours total (6 complete cycles per day) 2 psi continuous ATF pressure, static charge non-circulating



- Lower unit cost
- Eliminated field complaints
- Improved customer satisfaction

