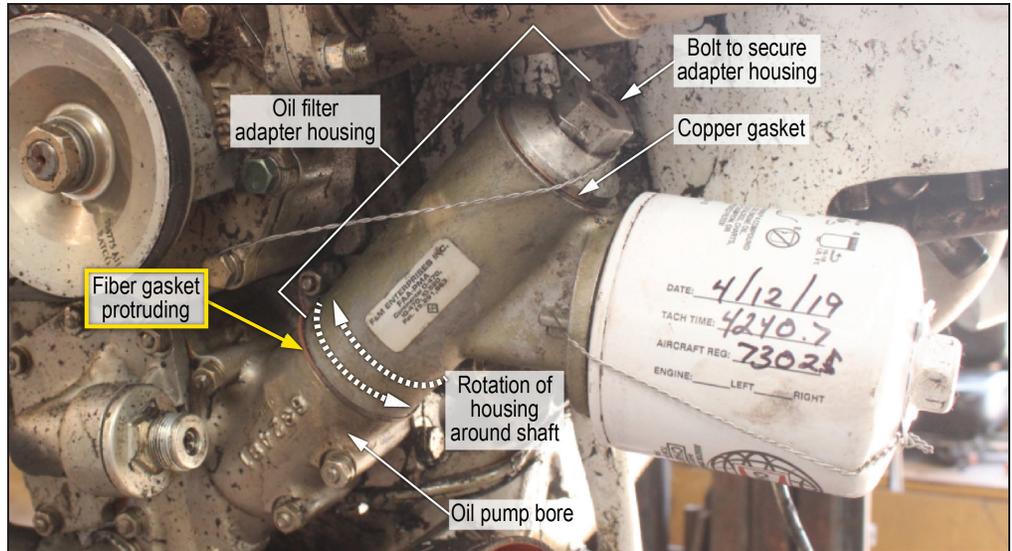


Loss of engine power on various Continental engine models linked to F&M Enterprises Inc. and Stratus Tool Technologies oil filter adapters

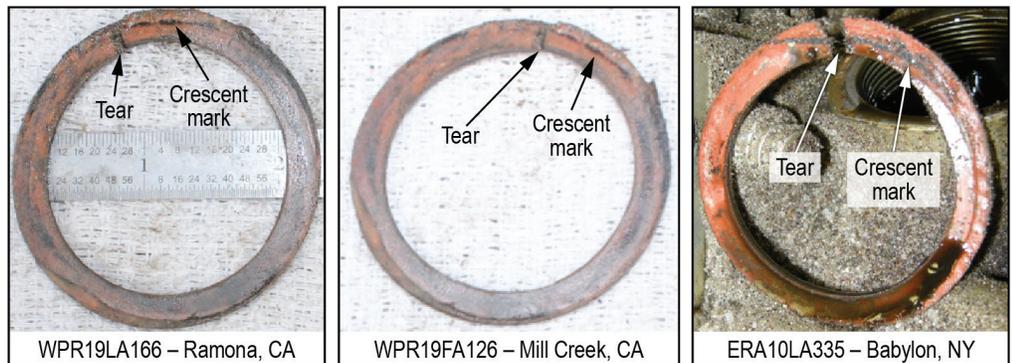
On May 1, 2019, a Cessna 182 airplane experienced a total loss of engine power. During the emergency landing, the airplane collided with a power line near Mill Creek, California. One passenger was fatally injured, and the pilot and other passenger were seriously injured. NTSB found that the F&M oil filter adapter was loose, a fiber gasket between the airplane's engine oil pump assembly and the oil filter adapter was torn and had a crescent mark, and oil had leaked from the broken gasket seal (see picture at right). The oil leak led to the loss of engine power. We saw at least 10 other airplanes with an F&M or Stratus oil filter adapter that had a loss of engine power following an oil leak, leading to two other fatalities.



What you can do

Read our [safety recommendation report ASR-20-05](#) and [Stratus mandatory service bulletin SB-001](#). By ensuring that the adapter is installed properly, oil loss and potential engine power loss could be prevented.

Learn more at www.nts.gov.



Torn gaskets from three airplanes that lost engine power following oil leaks.

Models of aircraft and engines that are compatible with Stratus and F&M oil filter adapters

Oil Filter Adapter Models (STC Numbers)	CO-300 (SE8409SW)	C6LC-L (SE09356SC)	C6LC-S (SE09356SC)	C6SC (SE8409SW)	C6LC-11/15 (SE10348SC)
Aircraft	Beechcraft Bonanza Beechcraft Debonair Cessna 170, 172 Globe Swift Maule	Beechcraft Bonanza Beechcraft Debonair Cessna 205, 206, 207, 210, 310 Grumman Wideon Meyers Navion Twin Commander	Beechcraft Bonanza Beach Baron (Model 55) Beechcraft Debonair Cessna 180, 182, 185, 188	Cessna 172 Hawk XP, 175, 336, 337 Maule Mooney M20-K Piper Seneca II Piper Turbo Arrow III & IV	Cessna L-19 Bird Dog
Continental Engine Models	C-125 Series C-145 Series O-300 Series	O-470 Series (Sand Cast Crankcase Only) IO-470 Series IO-520 Series IO-550 Series TSIO-520 Series	O-470 Series (Sand Cast Crankcase Only) IO-470 Series IO-520 Series IO-550 Series TSIO-520 Series	GO-300 Series IO-360 Series TSIO-360 Series	O-470-11 O-470-15