



ISO 9001:2000 CERTIFIED

## BAR'S LEAKS TECHNICAL BULLETIN

Tech Bulletin #: TB-1050-1

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Date 1<sup>st</sup> Issued: March 21, 2007

Date Revised: July 23, 2008

Bar's Leaks Rear Main Seal Repair

Part #: 1050

# REAR MAIN SEAL REPAIR

Bar's Leaks Rear Main Seal Repair is a unique blend of polymers, lubricity agents, anti-oxidants and conditioners that stop leakage and restore engine seal performance.

- Specially designed to seal rear main leaks, but also works better than a conventional stop leak on all other leaks. This includes timing cover seal, O-rings and other seals & gaskets.
- Most rear main leaks are caused by a combination of normal wear in the crankshaft & seal and the drying, hardening and shrinking of the main seal.
- Bar's Leaks Rear Main Seal Repair restores the seal to like new condition and also contains additives to stop leaks in severely worn seals and crankshafts.
- Works with all gasoline and diesel engines using conventional, high mileage and synthetic oil.
- For many vehicles, this is your last chance before paying an expensive repair bill. To replace the rear main seal on most front wheel drive cars, the engine has to be removed and on rear wheel drive vehicles, the transmission is removed.



Bar's Leaks Rear Main Seal Repair works with all petroleum-based motor oils including conventional, high mileage and synthetic formulas.

### DIRECTIONS (Automotive Applications)

#### When Adding To Existing Engine Oil

Remove engine dipstick and check oil level. If oil is low, remove oil cap and install entire contents of bottle. Do NOT overfill. Top off with manufacturers recommended engine oil as needed. Reinstall dipstick and oil cap.

#### When Changing Oil

If using when changing oil, replace one quart of your motor oil with Bar's Leaks Rear Main Seal Repair. Then refill with manufacturer's recommended oil to proper level. Drive vehicle and recheck oil level.

Most leaks stop within 100 miles or 2 days of driving.

Part Number:	1050
UPC Item:	0 46087 01050 1
UPC Case:	1 00 46087 01050 8
Bottle Size:	32 fl. oz. (946mL)
Bottle Dimensions:	4.2 x 2.5 x 9
Bottle Cube:	95
Case Pack:	4 bottles per case
Case Size:	8.8 x 5.4 x 9.4
Case Cube:	447
Case Weight:	8 pounds
Pallet:	TI 37 HI 5 Total 185
Pallet Height:	53 inches
Tariff Code:	3811.21.0000

### DOSAGE

One bottle treats 4 to 6 quarts of oil. Larger systems use 1 bottle for every 5 quarts of oil capacity.

TEST	ASTM	TYPICAL PROPERTIES
API Gravity @ 15.6°C	D-1298	22.3
Specific Gravity @ 15.6°C	D-4052	0.9196
Density @15.6°C	D-1298	7.670
Flash Point	D-92	200°C / 392°F
Viscosity, cSt. @ 40°C	D-445	145
Viscosity, cSt. @ 100°C	D-445	12
Viscosity, cSt. @ 150°C	D-445	4
Viscosity Index	D-445	29
Pour Point °C	D-97	-30

## REAR MAIN SEAL TYPES (3 basic styles)

- **ROPE SEAL**
  - Also called a wick seal
- **TWO PIECE SEAL**
  - Neoprene or called rubber
  - Silicone
- **ONE PIECE SEAL**
  - Neoprene or called rubber
  - NBR or Buna N (Nitrile)
  - Silicone
  - PA or Polyacrylate
  - Viton or Fluoroelastomer

## TWICE THE PERFORMANCE

### Seal Restorer

Restores seal size, flexibility and elasticity lost due to engine heat, age and high mileage.

### Seal Polymer \*

Chemical polymers work where other stop leaks fail to seal leaks caused by normal engine wear. This includes grooves worn in the crankshaft seal mating surface. The polymer forms a film between the seal and the crankshaft preventing leaks.

*\* These polymers work in all rear main seal types.*