



Product One Voice Q&A

Product: Break-In Oil
Product Area: Power Sports
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1. Question:

What is the primary market for AMSOIL SAE 30 Break-In Oil (product code BRK)?

Answer:

AMSOIL Break-In Oil is specifically designed for individual engine builders, shops, race teams and performance enthusiasts looking for wear protection of key component parts during engine break-in while allowing piston rings to seat quickly.

2. Question:

Why is it important to provide extra protection for flat tappet camshafts, lifters and rocker arms during break-in?

Answer:

When new, these vital engine components are not seasoned or broken in and must be heat cycled to achieve proper hardness. During the break-in period, these components are susceptible to accelerated wear because they are splash-lubricated, unlike other areas of the engine that are pressure-lubricated. AMSOIL Break-In Oil contains high levels of ZDDP additives designed to provide the anti-wear protection required during this critical period.

3. Question:

Where should AMSOIL Break-In Oil be used?

Answer:

AMSOIL Break-In Oil is designed for high performance engines, helping to maximize compression, horsepower and torque during the critical time known as engine break-in. AMSOIL Break-In Oil is recommended for any high performance or racing engine requiring SAE 30 engine oil for efficient and effective break-in.

4. Question:

Can AMSOIL Break-In Oil be used in a new vehicle?

Answer:

No. Follow the original equipment manufacturer's (OEM) maintenance schedule for new vehicles.

5. Question:

What are the usage recommendations AMSOIL Break-In Oil?

Answer:

Follow engine builder or manufacturer's break-in recommendations if available. Break-in period should not exceed 1,000 miles and when complete, the engine sump should be refilled with a high performance AMSOIL synthetic lubricant that meets the engine builder or manufacturer specifications.

6. Question:

How do I know if my engine break-in procedure is complete?

Answer:

When the rings are not seated, the exhaust ports will have a large area of oil residue (Image A). As the piston rings begin to seat, less oil is passed and the oil residue area begins to shrink (Image B). When the rings are fully seated, forming a tight seal with the cylinder walls, there will be no oil residue evident.

Other common methods include performing a leak-down test and horsepower measurements over time. Every engine has a different individual signature, so break in will vary. For best results, follow the engine builder's recommendations or one of the methods discussed above.



7. Question:

What are packaging sizes and corresponding product code designations for AMSOIL Break-in Oil?

Answer:

AMSOIL Break-In Oil is offered in quarts. The product codes are: BRKQT-EA (each) and BRKQT-CA (case).