



Airkool HP 2-Cycle Motor Oil

Phillips 66® Airkool HP 2-Cycle Motor Oil is a premium quality, low-ash, API TC engine oil specially formulated for use in high-output commercial chain saws, motorcycles and other air-cooled 2-stroke cycle gasoline engines. It may be used in either direct oil injection or premix engines.

Airkool HP 2-Cycle Motor Oil has a high level of detergency to help minimize piston ring sticking and exhaust port deposits to maintain good power output in 2-stroke cycle engines. It has excellent lubricity to protect against piston and cylinder scuffing, and helps reduce spark plug fouling and pre-ignition problems. It is pre-diluted with a high-flash solvent for easy mixing with gasoline at low temperatures for premix applications.

Airkool HP 2-Cycle Motor Oil meets JASO FD and ISO-L-EGD low-smoke requirements.

Applications

- High-output commercial chain saws that operate at 17,000-20,000 rpm
- Motorcycles, scooters, and all-terrain vehicles (ATVs)
- Lawn-care equipment (mowers, weed trimmers, leaf blowers)
- Other air-cooled 2-stroke cycle gasoline engines where an API TC oil is specified⁽¹⁾

Airkool HP 2-Cycle Motor Oil meets or exceeds the requirements of:

- API Service TC
- ISO-L-EGD
- JASO FD, FC, FB

⁽¹⁾ **Note:** Airkool HP 2-Cycle Motor Oil is **not** recommended for use in water-cooled 2-stroke cycle engines. Where the engine manufacturer specifies NMMA TC-W3®, TC-WII®, or TC-W® quality oil, use Phillips 66 2T Unimix® 2-Cycle Motor Oil.

Features/Benefits

- Low-ash formulation helps minimize engine deposits and pre-ignition
- High detergency helps minimize piston ring sticking and reduce exhaust port blocking
- Protects against piston and cylinder scuffing
- Reduces spark plug fouling
- Excellent rust and corrosion protection
- Meets JASO FD low-smoke requirements
- Keeps engine parts clean
- Mixes easily with gasoline at low temperatures for premix applications
- Dyed for easy visibility when mixed with gasoline
- Suitable for either direct oil injection or premix engines⁽²⁾

⁽²⁾ **Note:** For premix engines, always follow the manufacturer's recommendation for choosing the proper fuel-to-oil mixing ratio.

**API TC Engine
Oil for Air-
Cooled,
2-Stroke Cycle
Engines**

KEEPING THE
WORLD
RUNNING
SMOOTHLY. 



Airkool HP 2-Cycle Motor Oil

Typical Properties	
Specific Gravity @ 60°F	0.858
Density, lbs/gal @ 60°F	7.14
Color, ASTM D1500	Blue
Flash Point (COC), °C (°F)	78 (172)
Flash Point (PMCC), °C (°F)	73 (163)
Pour Point, °C (°F)	-40 (-40)
Viscosity, Kinematic	
cSt @ 40°C	48.4
cSt @ 100°C	8.3
Viscosity Index	147
Sulfated Ash, ASTM D874, wt %	0.11

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.