

9046 2-Cycle Outdoor Power Equipment Engine Oil

2-Cycle Outdoor Power Equipment Engine Oil is a premium ashless, full synthetic, 2-cycle engine oil that has been specifically formulated for use in carbureted, electronic fuel injected (EFI) and direct injection (DFI) 2-cycle engines. 2-Cycle Outdoor Power Equipment Engine Oil is engineered for use in smaller engines found in chain saws, lawn mowers, trimmers, leaf blowers, and other 2-cycle outdoor lawn equipment.

Features and Benefits

2-Cycle Outdoor Power Equipment Engine Oil is formulated with a proprietary blend of synthetic base oils and concentrated ashless two-cycle additive package that provides the following performance benefits:

Performance

- Superior high temperature performance and protection for water cooled and air-cooled engines
- Optimum clean burn characteristics for low smoke emissions
- Excellent miscibility and fluidity

Deposit Protection

- Increased engine cleanliness for longer lasting “like-new” power throughout the life of the engine
- Superior valve cleanliness
- Robust deposit control to prevent exhaust port blocking and the fouling of spark plugs
- Prevention of pre-detonation from combustion chamber hot spots

Wear Protection

- Excellent wear protection and lubricity
- Low levels of ring and liner wear to maintain high quality “like-new compression
- Excellent rust and corrosion protection, especially during extended storage periods

Further blended into the synthetic base stocks and the concentrated ashless two-cycle oil additive package are two proven frictional modifiers Micron Moly® and Schaeffer's own proprietary additive Penetro®. These two proven frictional modifiers once plated form a long lasting slippery tenacious lubricant film, which prevents the metal surfaces from coming into contact with each other. By preventing metal-to-metal contact, damaging frictional wear is prevented from occurring. This prevention of metal-to-metal contact and reduction in wear results in increased engine life and reduced maintenance costs.

2-Cycle Outdoor Power Equipment Engine Oil meets and exceeds JASO FC, JASO FD, ISO-L-EGC and ISO-L-EGD; API TC lubricity and pre-ignition performance, and NMMA TC-W3.

2-Cycle Outdoor Power Equipment Engine Oil is compatible with most petroleum base and synthetic 2-cycle oils; however for best performance, mixing of oils should be minimized.

FUEL MIXING TABLE				
Ounces of Oil to Gallons of Gasoline				
Ratio Fuel to Oil	1 Gallon	2 Gallons	5 Gallons	10 Gallons
11:1	11.5	21.5	58	116
12:1	10.5	21	53.5	107
16:1	8	16	40	80
20:1	6.5	13	32	64
24:1	5.5	10.5	26.5	53
25:1	5	10	25.5	51
30:1	4.5	8.5	21.5	43
32:1	4	8	20	40
40:1	3	6.5	16	32
42:1	3	6.5	15	30
50:1	2.5	5	13	26
100:1	1.5	2.5	6.5	13

TYPICAL PROPERTIES

API Gravity @ 60°F (15.6°C) (ASTM D1298)	35.6
Viscosity cSt @ 40°C (ASTM D445)	24-28
Viscosity cSt @ 100°C (ASTM D445)	5.3-5.9
Viscosity Index (ASTM D2270)	163
Flash Point °F/°C (ASTM D93)	242.6°/117°
Pour Point °F/°C (ASTM D97)	-42°/-44°
Sulfated Ash % wt (ASTM D874)	<0.001
OMC 40HP Test	
Average Piston Varnish Rating	9.0
Top Ring Sticking Rating	9.0
OMC 70 HP Test	
Average Piston Deposits	4.2
TC AF-27 Lubricity Test	Pass
Honda JASO Detergency Test (3 hr GD DIX) JASO M341	138
Piston Skirt Varnish Test (1 hr DIX) JASO M341	103
Honda Detergency Test (1 hr DIX) JASO M341	113
Lubricity Index (LIX) JASO M340	106
Torque Index (TIX) JASO M340	100