

HYFILM® HY-REV

Air-Cooled 2-Cycle Engine Oil

HyFilm Hy-Rev is a low ash, high performance lubricant for air-cooled, gasoline fueled, 2-cycle engines. Optimum performance for high revving 2-cycle engines requires a lubricant that will provide outstanding scuff protection while at the same time minimizing spark plug fouling and ash deposit accumulation in the combustion chamber.

Using the latest JASO FD additive technology with clean-burning polymeric components, **HyFilm Hy-Rev** is formulated with **Hydrosynthetic™** high viscosity index basestocks to provide outstanding high temperature lubrication and deposit control.

HyFilm Hy-Rev is virtually smokeless and is fortified with proprietary gasoline additives to produce less hydrocarbon and particulate emissions. It offers superior performance with lead free and alcohol containing gasoline.

HyFilm Hy-Rev exceeds the requirements of the most demanding non-outboard industry specifications:

- **JASO FC, JASO FD**
- **ISO EGD**
- **SAE TC**

HyFilm Hy-Rev specialized additive technology plus **HyDiamond™** enhanced performance basestocks provide the benefits of:

Anti-Scuff Protection - forms a super strength lubricating film to protect pistons and cylinders against scuffing and wear and promotes engine cleanliness by reducing ability of deposits to adhere to the piston surfaces.

Rust and Corrosion Inhibitors - protect metal surfaces from harmful effects of water, acidity, and other contaminants.

Low Ash Formulation - advanced detergents and dispersants minimize combustion chamber and other engine deposits. Superior protection against spark plug fouling and pre-ignition

Lower Sulfur and Calcium Level - reduces the source of sulfate particulates for cleaner air and reduced emissions.

Gasoline Treatment – contains a complete fuel additive package to stabilize gasoline, improve fuel combustion, and reduce deposits on spark plugs and combustion chamber surfaces.

Treatment Rate - mix 2.6 fluid ounces with each gallon of gasoline (50:1)

HyFilm Hy-Rev exceeds the specifications for the following original equipment manufacturers (OEMs):

Echo
Honda
Poulan

Stihl
Lawn-Boy
Ryobi

Husqvarna
John Deere
Homelite

Toro
Sears
Shindaiwa

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Air-Cooled 2-Cycle Gasoline Engine Oil

TEST DESCRIPTION	ASTM NO.	TYPICAL PROPERTIES
Base Oil Kinematic Viscosity	D-445	
cSt @ 40° C		46.1
cSt @ 100° C		7.71
Viscosity Index No.	D-2270	135
Density, LB/gal. (gm/cc) @ 60°F (15.5°C)	D-1298	7.14 0.857
Pour Point, °F (°C)	D-97	-57 (-49.4)
Flash Point, °F (°C)	D-92	200 (93)
Honda Lubricity Test JASO FD: 95 minimum ISO EGD: 95 minimum	JASO M340	100
Honda Detergency Test JASO FD: 125 minimum ISO EGD: 125 minimum	JASO M341 CEC L-79-T-97	135
Honda Initial Torque Test JASO FC: 98 minimum ISO EGD: 98 minimum	JASO M340	99
Suzuki Smoke Test JASO FC: 85 minimum ISO EGD: 85 minimum	JASO M342	94
Suzuki Exhaust Blocking Test JASO FC: 90 minimum ISO EGD: 90 minimum	JASO M343	110
Exhaust Blocking	CEC L-77-95	< 1%
Sulfated Ash, % wt.		0.17
Calcium, % wt.	AA	0.051
Nitrogen, % wt.	AA	0.098
Color		Green

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

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