

# Product Information



A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.

## VALVOLINE OUTBOARD NMMA (BIA) CERTIFIED 2-CYCLE ENGINE OIL

Valvoline Outboard NMMA (BIA) Certified 2-Cycle Engine Oil is a superior quality ashless two-cycle lubricant. Premium base stocks are blended with a modern ashless detergent additive package to provide fortification for maximum performance in outboard engines. It is pre-diluted for ease of mixing with gasoline and may also be used in injector systems.

This product is recommended for all leading outboard engines, including the latest high horsepower units. Valvoline NMMA (BIA) Certified 2-Cycle Engine Oil will also provide excellent performance in two-cycle engines of motorcycles, chain saws, lawn mowers and snowmobiles. It may be used at manufacturers recommended fuel/oil ratios from 11:1 to 100:1.

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### Approvals/Performance Levels

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NMMA (BIA) TC-W3

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### Typical Properties

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Gravity (API)	32.8
Vis @ 100°C (cSt)	7.60
CCS - cP	5450(-25C)
Pour Point, °C max	-40
Sulfated Ash, wt%	Nil
Color	Blue-Green
Flash Point (D-93), °C	65
TBN (D-2896)	3.60

This information only applies to products manufactured in the following location(s): USA, Canada.

Effective Date:  
07-08-03

Replaces:  
07-29-98

Author's Initials:  
DJD

Code