

# Havoline<sup>®</sup> Super Outboard 3

## Two-Stroke Outboard Motor Oil



### Product description

Premium performance, two-stroke, marine outboard motor oil formulated with a special ashless additive system. Pre-diluted with a high flash point, low aromatic content solvent to facilitate mixing with gasoline at all temperatures. Designed for engines requiring NMMA TC-W3<sup>®</sup> certified lubricants, operating in all service conditions.

### Customer benefits and product features

#### Customer benefits

##### Helps maintain high power output

Special blend of highly refined mineral oil and ashless additive system helps provide superior piston cleanliness and protection against ring sticking by minimizing deposit formation, thus helping to maintain combustion efficiency helping to protect against power loss.

##### Helps reduce maintenance costs

Special ashless additive system includes a selected synthetic component for facilitating lubricity to separate contacting surfaces with a tough lubricant film to help protect against wear under high speed, peak performance conditions.

##### Trouble-free operation

Ashless additive system designed to ensure that ash-induced deposits are not formed in the combustion chamber, thereby helping eliminate the risk of destructive pre-ignition from this source.

##### Help maximise spark plug life

Ashless additive system helps reduce spark plug fouling under all operating conditions.

### Applications

- All water-cooled, two-stroke, marine outboard engines, including the latest designs under warranty protection
- Oil-injected engines
- Oil-gasoline premix engines at all gasoline-to-oil ratios up to and including 100 1
- Air-cooled, two-stroke engines where API TD or NMMA certified oils are specified

### Product approvals, performance and recommendations

#### Performance standards

National Marine Manufacturers Association (NMMA) TC-W3<sup>®</sup>

NMMA TC-W3 Certification Number RL- 003 1<

# Havoline® Super Outboard 3

Two-Stroke Outboard Motor Oil



## Typical Test Data

HAVOLINE SUPER OUTBOARD 3 KEY PROPERTIES	RESULTS
<b>Product Code</b>	<b>560321</b>
<b>SAE Grade (J1536)</b>	<b>F/M 3</b>
Ash, m %	<0.01
Flash Point, PMCC, °C	102
Pour Point, °C	-39
Viscosity,	
mm <sup>2</sup> /s @ 40°C	56.2
mm <sup>2</sup> /s @ 100°C	9.13

1205

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific

ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

Visit [Product Information Center](#) >

HAVOLINESUPEROUTBOARD3/PDS V1 07/04/2020



**A Chevron company product**

© 2023 Chevron Products Company. Asia-Pacific.

All Rights Reserved.