

Shell Marine



# RELIABILITY FOR MARINE HIGH-SPEED DIESEL ENGINES

Shell Marine 40 engine oil

**To run a successful marine operation, you need to control costs. Engine lubrication can play a key role promoting efficient and reliable marine operations, helping to cut maintenance costs and keep your vessels in service.**

Shell Marine 40 oil reacts to your engines' needs thereby giving them added protection and longer lives. This helps to lower maintenance costs and increase vessel availability.

## LOOK OUT FOR CREEPING COSTS

Fuel is one of the largest vessel operating costs, so improving engine efficiency, even by a small amount, can make a significant difference to your margins. You may not have noticed the drop in engine performance that using a poor-quality oil can cause. If this oil thickens or breaks down into efficiency-robbing dirt, the engine can become dirty and inefficient, wasting fuel. It may also fail to protect components leading to engine failure and increased maintenance costs.

**Shell Marine 40** keeps your engines working

- **efficiently and reliably.** Clean engines are more efficient and reliable. Shell Marine 40's additive system helps to control piston deposits and maintain good standards of engine cleanliness.
- **for longer.** To help extend the life of your engine, Shell Marine 40 protects against corrosion and wear throughout the oil-drain interval.

**Shell Marine 40** gives you extra value through

- **protection for turbo-charged engines.** Shell Marine 40 can be used in many turbocharged engines to provide protection and long engine life.

## TYPICAL PHYSICAL CHARACTERISTICS

	Shell Marine 40
Kinematic viscosity at 40°C, cSt	140
Kinematic viscosity at 100°C, cSt	14.5
Viscosity index (ASTM D2270)	107
SAE viscosity grade	40
Density at 15°C, kg/l (ASTM D4052)	0.897
Flash point, closed cup, °C	250
TBN-E, mg KOH/g	10.1

**SHELL MARINE 40 OIL REACTS TO YOUR ENGINE'S NEEDS THEREBY GIVING IT ADDED PROTECTION AND LONGER LIFE, AND HELPING TO LOOK AFTER YOUR INVESTMENT AND LOWER YOUR OPERATING COSTS.**

## HEALTH, SAFETY AND ENVIRONMENT

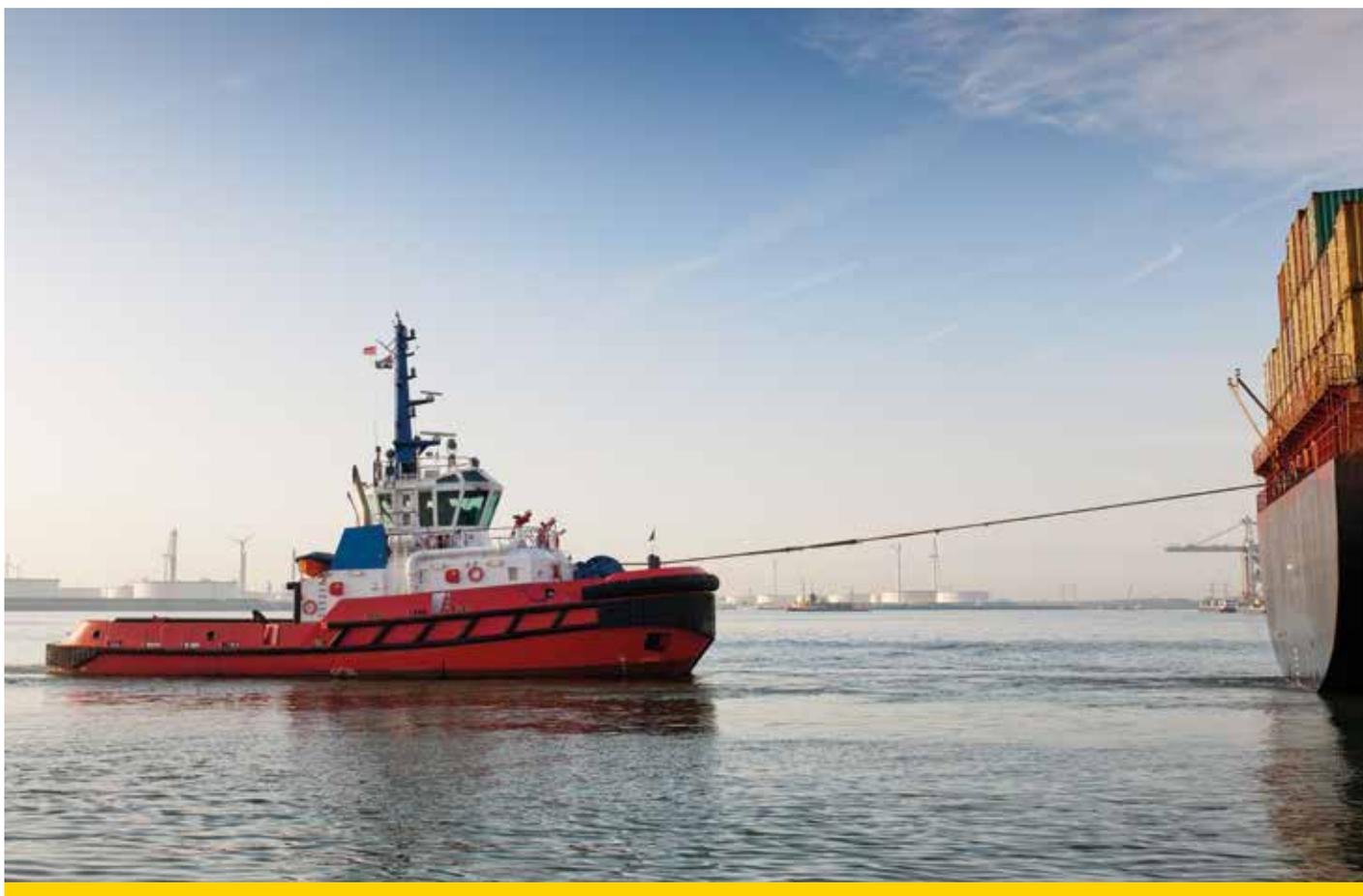
**Shell Marine 40** oil is unlikely to present any significant health or safety hazards when used properly in the recommended applications and with good standards of personal hygiene. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate material safety data sheet, which is available from [www.epc.shell.com](http://www.epc.shell.com).

**Dispose of used oil correctly. Do not discharge it into the ocean, drains or soil.**

## SPECIFICATIONS AND APPROVALS

### Shell Marine 40

- API CF/CD (SAE 40)



For more information, please contact your Shell Marine representative or visit [www.shell.com/marine](http://www.shell.com/marine)

Issued January 2018

