

# **Lubricants** for marine operations





# Lubricants designed for the shipping of the future

A lot can be said about the shipping of the future, but one thing is certain: the environmental issues will be centre stage. At Statoil, we have invested for over twenty years in purposefully developing lubricant solutions to meet the demands of the future in terms of high performance and ever-increasing adjustment to a sustainable society. Today, we are proud of our development expertise and broad range of leading edge products that are unique globally.

We have developed a unique range of environmentally sound products for marine businesses, without compromising their technical properties. This means you can update your environmental profile and maintain your capacity at sea.

# Long-term partner with knowledge of the entire chain

As a player in the marine business, you occupy a vitally important role. Financial values and the safety of individuals are directly affected by decisions taken by you and the crew.

You can look upon us as a long-term partner who listens, is close at hand and ready to share their expertise. We have a comprehensive service organisation tailored to marine operations. Our service commitment also includes proactive measures, e.g. technical review with recommended lubricating schedule, rapid oil analyses from our laboratories and help with troubleshooting.

And time in port is always short. Fast and exact deliveries result in improved certainty and profitability for you and your business.



# Close to reality gives the best results

The word "close" characterises Statoil Lubricant's entire way of working, from the laboratory to the meeting with our customers in their various businesses.

Our research and development operations are located next to our production plant in Nynäshamn, Sweden. This closeness gives us unique opportunities for continuously testing, improving and developing our products, so they resist the tough trials of reality and the high requirements of the future.

This means we can offer you a number of services that help you on site in your day-to-day operations. With the Lab Advisor service, we help you with an oil analysis that provides invaluable information on the condition of your machinery and engines. Lab Advisor is quite simply an efficient way of protecting your machinery and engines and preventing expensive stoppages.

With our great technical expertise and long experience in the field of lubrication, we look forward to helping you finding a total solution for your operations.

#### Lab Advisor - oil analysis that prevents stoppages

In the same way as a blood test can give a good picture of your health, an oil analysis can provide invaluable information about the condition of machinery and engines. Effective monitoring of the oil's condition can give you an early warning before a breakdown happens and can even provide clues about the location of the problem. Lab Advisor is an efficient way of protecting your engines and machine park as well as preventing expensive stoppages.

 $Lab\ Advisor\ is\ available\ in\ different\ forms\ depending\ on\ your\ needs.\ We\ are\ more\ than\ willing\ to\ help\ you\ determine\ which\ analysis\ you\ require.\ Regardless\ of\ which\ of\ our\ Lab\ Advisor\ services\ you\ use,\ we\ can guarantee\ that\ you\ will\ receive\ invaluable\ information\ that\ increases\ reliability.$ 

# **Products for marine operations**

# **ENGINE AND SYSTEM OILS**

#### MarWay 1030, 1040

A marine engine oil developed for lubricating marine diesel engines with or without turbochargers. Specially developed for engines with unfavourable operating conditions lasting long periods with low loads, such as fishing vessels and ferries. (10 represents TBN, 30 represents viscosity according to SAE.) Developed for modern diesel fuels with a low sulphur content and protects against cylinder glazing. Tested and approved for dual-fuel diesel engines.

#### MarWay 1530, 1540, 2530, 2540, 4030, 4040

Marine engine oils where higher TBN is required because of the sulphur content in the fuel. Alkaline detergents that keep the engine clean, while the alkaline reserve gives a long service life and protects against corrosion.

#### MarWay 7050

Cylinder oil - for fuels with more than 2.5% sulphur. These cylinder oils ensure high cleanliness in the engine and provide protection against wear of the piston rings, which extends the inspection intervals.

#### MarWay 4050

Cylinder oil - for fuels with less than 2.5% sulphur. These cylinder oils ensure high cleanliness in the engine and provide protection against wear of the piston rings, which extends the inspection intervals.

#### PowerWay 30,40

Diesel engine oil with numerous applications for engines with and without turbo. It is intended for stationary and mobile engines with the highest specifications of truck engine manufacturers and specific marine engine manufacturers. Single grade oil that retains it's viscosity and has a broad range of applications for compressors, converters, etc.

#### MaxWay Ultra E6 10W-40

Fully synthetic ultra high performance diesel engine oils (UHPD grade). MaxWay Ultra satisfy and exceed the very latest and most stringent oil specifications from leading engine manufacturers. Highest quality for demanding operating conditions within a wide temperature range. Ensure easy starting in cold conditions and help save fuel. Provides exceptional engine protection with a special focus on durability and engine cleanliness.

#### MarWay DD 40

Diesel engine oil specially developed for Detroit 2-stroke engines. Keeps exhaust valves clean and is designed to increase the life of the camshafts.

#### LazerWay 5W-40

Synthetic engine oil for gasoline engines and small diesel engines. It has very good low temperature properties. Suitable for most life boat engines, emergency engines etc.

#### MaxWay 15W-40

A diesel engine oil with many applications that is suitable for most truck and car engines both in marine and land-based use. SHPD oil for most engines with sulphur content such as Eurodiesel, which has less than 500 ppm.

#### GenWay LA Plus 40

Gas engine oil for lean burn technology. Gives exellent lubrication and keeps the engine clean from deposits. GenWay LA Plus 40 is a low ash type of product developed for naturalgas applications but it can also be suitible for bio gas applications if the change intervalls is lowered. Approved by Rolls-Royce Bergen Diesel.

#### **AquaWay**

2-stroke engine oil for water cooled outboard engines



#### **AquaWay Bio**

Synthetic environmentally adapted 2-stroke engine oil for water or air cooled outboard engines.

#### 4-TWay Outboard

4-stroke engine oil for water cooled outboard engines.

### TRANSMISSION OILS

#### LoadWay Marine 68,100,150,220

Oil for all types of marine gearboxes up to 80 °C. Tested and approved for clutches, heavily loaded gears and seals. Fast water and air separation and good filterability.



#### 🖟 LoadWay Bio SE 220

Synthetic environmentally adapted gearbox oil primarily for deck machineries. Characterized by good oxidation stability, good low temperature properties and little change in viscosity at varying temperatures.

#### Mereta 220

Fully synthetic gear oil for a wide temperature range -50 to +130 °C. Problem solver for separators. Prevents wear on system components, even at very high operating temperatures and loadings. The lubricant is miscible with mineral oil and allows extended drain intervals.

# **HYDRAULICOILS**

#### HydraWay HVXA 46, 68

Hydraulic oil primarily for outdoor use. Hydraulic oil for a wide temperature range. Zinc-free.

#### HydraWay HMA 32, 46, 68, 100

Hydraulic oil for modern systems, primarily for indoor hydraulics. Hydraulic oil for indoor use. Zinc-free.



#### HydraWay SE 46 HP

Environmentally adapted hydraulic oil designed for demanding hydraulic systems, indoors as well as outdoors. Exceptional performance, long life, saturated ester-based hydraulic oil. This product combines superior oxidation- and hydrolytic stability. Renewable raw materials.



#### HydraWay Bio SE 32-68

Environmentally adapted hydraulic oil for most hydraulic applications. Synthetic environmentally adapted oil with high performance regarding temperature properties and service life. Renewable raw materials.

# STERN TUBE OILS

#### SternWay 220

Stern tube oil that prevents corrosion and bearing/seal wear. Optimal emulsifiable, anti-corrosion properties with high adhesion even when mixed with water.



#### SternWay Bio 100

Environmentally adapted stern tube oil. Synthetic high-tech environmentally adapted oil approved for use by the leading stern tube manufacturers. Minimises the risk of lead corrosion.



### SternWay Bio HV

Environmentally adapted stern tube oil. Synthetic high-tech environmentally adapted oil for problem solving like leaking stern tube seals.

# COMPRESSOR, START AIR COMPRESSOR, REFRIGERANT COMPRESSOR

#### CompWay 68

 $Compressor\ oil.\ Meets\ the\ requirements\ of\ piston\ compressor\ manufacturers.$ 

#### CompWay SX 68

Synthetic compressor oil. Recommended for most screw, reciprocating and rotary compressors.

#### FridgeWay Pa 68

Synthetic refrigerant compressor oil. Recommended for ammonia systems.

#### Solest series

Recommended for refrigerant R134a, R404 and R407.

## **GREASE**

#### **GreaseWay CaH 92**

Water-resistant multi purpose grease. Also available as a spray. Water-resistant grease with high adhesion for slowmoving, heavily loaded bearings. Deck machineries, rudder stocks and grease lubricated stern tubes.



#### GreaseWay Bio CaH 82

Water-resistant environmentally adapted grease. Water-resistant environmentally adapted grease with high adhesion for slow-moving, heavily loaded bearings. Deck machineries, rudder stocks and grease lubricated stern tubes.

#### UniWay LiX 62

Multi purpose grease. Multi purpose grease for sliding and ball bearings, even at high temperatures. Broad area of application.

#### **GreaseWay LiCaX 90**

Open gear grease. Also available as a spray. Extreme loadcarrying grease. Adhesive and waterresistent.



#### Multi Dope Yellow

Water-resistant environmentally adapted grease for high load applications. Water-resistant environmentally adapted grease with high adhesion primarily for open toothed gears.

## WIRELUBRICANT



#### WireWay Bio

For lubrication of wires. Penetrates and protects the inside of the wire and has clear environmental benefits.

# **GLYCOLS**

#### **Anti Freeze HD**

Statoil Anti Freeze HD is a concentrated Anti Freeze for all types of liquid-cooled combustion engines. Product is based on monoethylene glycol with selected corrosion inhibitors. Availible both as concentrate or premixed with water.

#### Anti Freeze LL

Statoil Anti Freeze LL is a long-acting frost protection fluid for all types of liquid-cooled combustion engine. The product has a long life technology and can be used for long change intervals. The product is based on monoethylene glycol with organic corrosion inhibitors. Availible both as concentrate or premixed with water.

# **OTHER PRODUCTS**

#### Nyrmo 60

Degreaser. Emulsifiable low aromatic solvent.

For your nearest sales office, visit our website: www.statoillubricants.com