



TEXACO

Lubricants for the inland marine industry



enduring
performance

Meet maritime challenges through on-board reliability

Texaco® continually works to advance marine lubricant technology, helping to deliver maximum reliability, protection and performance to high speed diesel engines used across inland and coastal operations.

Our specialists understand the unique operational challenges you face – from engine and component breakdown, to fuel and lubricant costs and budget management – and work with you to streamline your fishing vessels and inland marine operations.

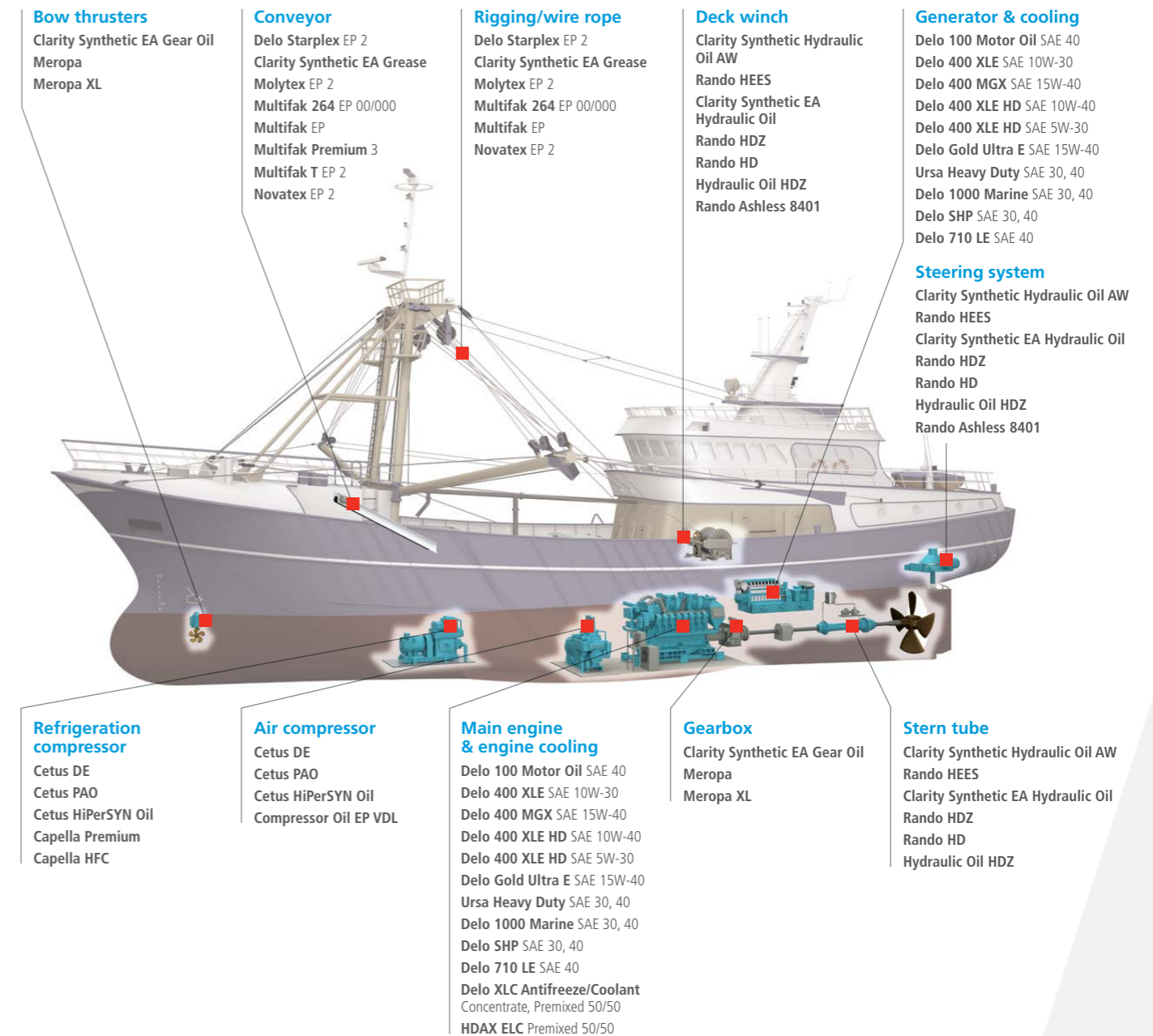
Rely on Texaco to help you reach the potential to:

- > Maximise engine durability
- > Extend service protection
- > Improve supplier performance.



Inside out protection

Texaco® can help improve the reliability and efficiency of all your on-board marine equipment. With our combination of premium lubricants, in-depth industry knowledge and specialist services, we can help increase productivity, reduce operating costs...and navigate even the roughest waters with the utmost responsibility.



INLAND MARINE PRODUCTS

ENGINE OILS

Delo 400 MGX SAE 15W-40

Low SAPS CJ-4, E7/E9 engine oil with strong TBN retention, for use in high and low sulphur fuel regions

Product highlights:

- > Wide range of uses helps minimise misapplication
- > Reduces large oil inventories and costs
- > Helps control soot and valve train wear
- > Designed for optimum service with minimal maintenance
- > Formulated to aid DPF service life

Delo Gold Ultra E SAE 15W-40

CI-4, E7 engine oil

Product highlights:

- > Promotes resistance to low temperature sludge and high temperature deposits
- > Aids engine and bearing corrosion protection
- > Designed to protect against wear and bore polishing
- > Formulated for protection against deposits and filter plugging

Delo SHP SAE 30, 40

Diesel crankcase TBN 12 lubricants designed for heavy-duty turbocharged high and medium speed diesel engines

Product highlights:

- > Low and high temperature protection, ring sticking resistance
- > Offers reliable scuffing and wear protection
- > Formulated for oxidation resistance
- > Designed for protection in severe conditions
- > Helps extend reliable oil filter life

Delo 1000 Marine SAE 30, 40

Medium alkaline TBN 12 trunk piston engine oils for medium and high speed marine and stationary trunk piston engines

Product highlights:

- > Designed for optimum wear protection
- > Helps keep engines clean
- > Offers extended oil service life
- > Formulated for corrosion resistance
- > Helps reduce maintenance downtime

Delo 100 Motor Oil SAE 40

Monograde engine oil for off road application

Delo 400 XLE SAE 10W-30

Long-drain CK-4, E6/E9 low SAPS engine oil with some fuel economy benefits

Ursa Heavy Duty SAE 30, 40

Heavy-duty monograde engine oils

Delo 710 LE SAE 40

Zinc-free diesel engine lubricant designed for railroad, marine and power generation applications

Delo 400 XLE HD SAE 10W-40

Long-drain CJ-4, E4/E6/E7/E9 low SAPS engine oil

ENGINE OILS (continued)

Delo 400 XLE HD SAE 5W-30

Long-drain CJ-4, E4/E6/E7/E9, LDF-4 low SAPS engine oil with fuel economy performance*

GEAR LUBRICANTS

Meropa 68, 100, 150, 220, 320, 460, 680, 1000, 1700

Extreme pressure industrial mineral gear oils

Meropa XL 150, 220, 320, 460

Micropitting resistant industrial gear oils for extreme loads and high shock loading

Product highlights:

- > Designed for extended drain intervals
- > Offers rust and corrosion protection
- > Promotes gear and bearing life
- > Advanced keep-clean performance
- > Formulated for micropitting protection

Clarity Synthetic EA Gear Oil 100

Biodegradable EPA and VGP-compliant stern tube oil/gear oil

Product highlights:

- > Meets EPA and VGP requirements
- > Promotes wear, rust and corrosion resistance
- > Offers water separation, foam inhibition and shear stability
- > High operating temperature resistance
- > Good low temperature pumpability

HYDRAULIC OILS

Clarity Synthetic Hydraulic Oil AW 32, 46, 68

Zinc-free premium performance synthetic hydraulic oils

Product highlights:

- > Ultra high performance wear and oxidation protection
- > Rust and corrosion resistance
- > Hydrolytic stability, rapid water separation, foam inhibition and filterability
- > Very low acute aquatic toxicity

Clarity Synthetic EA Hydraulic Oil 100

Biodegradable EPA and VGP-compliant stern tube and hydraulic oil

Product highlights:

- > Meets EPA and VGP environmental requirements
- > Biodegradable synthetic technology
- > Offers high performance protection
- > Wide temperature pumpability
- > Ashless – zinc-free technology

Rando HDZ 15, 22, 32, 46, 68, 100

Multi-viscosity anti-wear hydraulic fluids

Product highlights:

- > Formulated for wide temperature use
- > Designed to protect under load
- > Offers good water separation
- > Promotes reliable filterability

HYDRAULIC OILS (continued)

Rando HD 10, 22, 32, 46, 68, 100, 150

Zinc-based monograde hydraulic oils

Hydraulic Oil HDZ 32, 46, 68, 100

Heavy duty zinc-based multi-viscosity anti-wear hydraulic oils

Rando Ashless 8401

Low pourpoint, high VI zinc-free hydraulic oil, meeting Swedish Army Standard FSD 8401

Product highlights:

- > Zinc-free, corrosion resistant ashless performance
- > Offers rapid cold start-up time
- > Promotes wide temperature operation
- > Aids operational accuracy
- > Designed for system precision and control

Rando HEES 46

Biodegradable, high premium performance ester based hydraulic oil; Ecolabel approved

Product highlights:

- > Wide service temperature window
- > Ecolabel-'Euro Margerite' compliant
- > Meets Swedish Standard SS 15 54 34
- > Extended oil drain
- > Offers long fluid service life
- > WGK 1 WGK classification

COMPRESSOR OILS

Cetus HiPerSYN Oil 46

Synthetic compressor, gear and bearing lubricant

Product highlights:

- > Offers thermal and oxidation stability
- > Helps reduce sludge and deposits
- > Promotes extended service intervals
- > Offers low volatility performance
- > Designed for reliable long service life

Cetus PAO 32, 46, 68

Synthetic compressor fluids based on polyalphaolefins

Compressor Oil EP VDL 32, 46, 68, 100, 150

Extended life compressor fluids with high quality paraffinic base oils

Cetus DE 100

Synthetic compressor fluid for operating at high discharge temperatures and pressures

GREASES

Clarity Synthetic EA Grease

Biodegradable anhydrous calcium grease for use in bearings in wet and corrosive environments

Product highlights:

- > Designed for environmental acceptability
- > Offers prompt, effective biodegradability
- > Formulated for water and corrosion resistance
- > Helps protect in wet and corrosive environments
- > Offers good component adhesion

GREASES (continued)

Multifak T EP 2

Multi-purpose extreme pressure lithium grease. Operating temperature -20°C up to +130°C

Product highlights:

- > Highly stable formulation
- > Semi-synthetic base
- > Contributes to extreme pressure protection
- > Offers high resistance to oxidation

Molytex EP 2

Multi-purpose heavy duty EP lithium grease containing Molybdenum Disulphide (MoS₂)

Multifak 264 EP 00/000

Lithium grease for centralised lubricating systems

Multifak EP 0, 1, 2

Extreme pressure multi-purpose lithium greases. Operating temperature -30°C up to +120°C

Multifak Premium 3

Lithium grease suitable for a wide range of applications. Operating temperature -30°C up to +130°C

Novatex EP 2

Extreme pressure calcium anhydrous grease. Operating temperature -30°C up to +120°C

Delo Starplex EP 2

Multi-purpose lithium complex grease

ANTIFREEZE/COOLANTS

Delo XLC Antifreeze/Coolant Concentrate, Premixed 50/50

Extended life antifreeze/coolants

HDAX ELC Premixed 50/50

Premixed extended life silicate-free antifreeze/coolant

SPECIALITY (REFRIGERATION)

Capella Premium 68

Semi synthetic refrigeration compressor lubricant

Capella HFC 32, 55, 68, 100

Fully synthetic refrigeration lubricants for use in systems operating with environmentally safe hydro fluorocarbon (HFC) refrigerants

* Relative to conventional 15W-40 engine oil. Actual fuel economy improvement is dependent on vehicle/equipment type, outside temperature, driving/operation conditions and your current fluid viscosity.

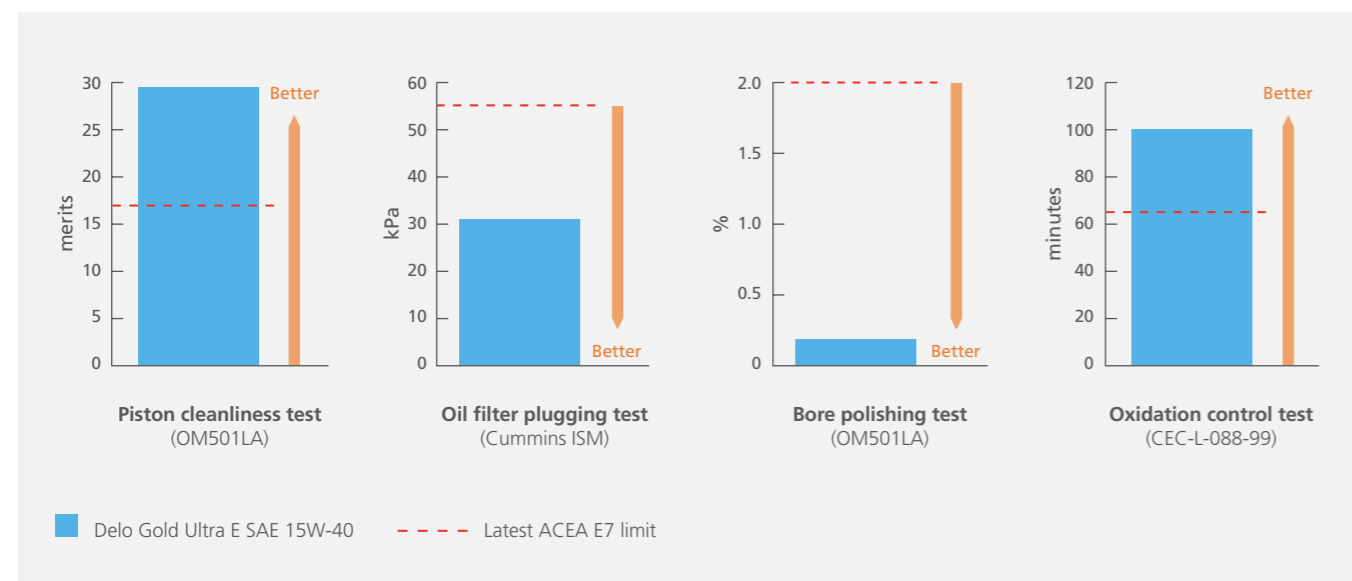
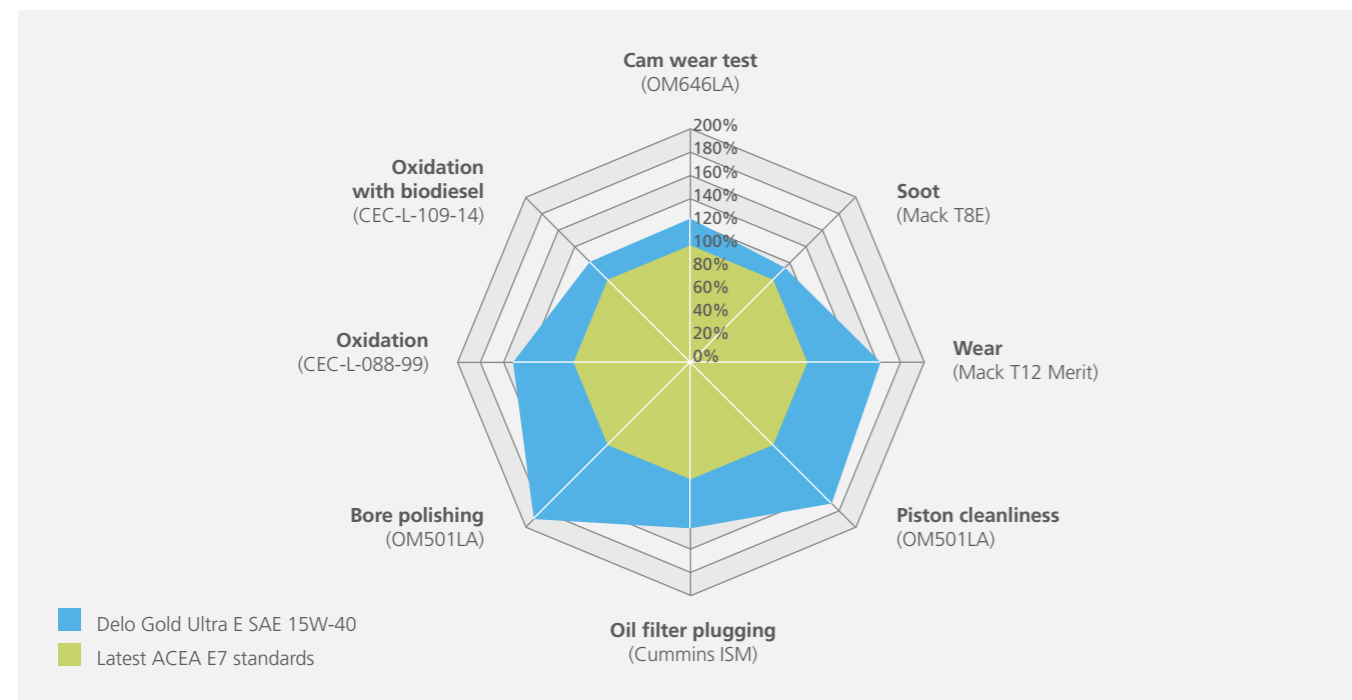
PROOF OF PERFORMANCE

Texaco® inland marine products can help reduce costs for oil and maintenance work, and improve efficiency and reliability

Our Texaco Delo® product range includes engine oils formulated using premium group II base oils with a durable additive system, providing better soot dispersion and oxidation stability versus conventional group I base oil formulations. In testing, our

Delo Gold Ultra E SAE 15W-40 lubricant delivered improved results versus the latest ACEA E7 standard limits in oxidation control, piston cleanliness and bore polishing, which can help minimise costly downtime and optimise maintenance planning.

Delo Gold Ultra E SAE 15W-40 performance versus the latest ACEA E7 standards



OIL ANALYSIS SERVICE



LubeWatch used oil analysis

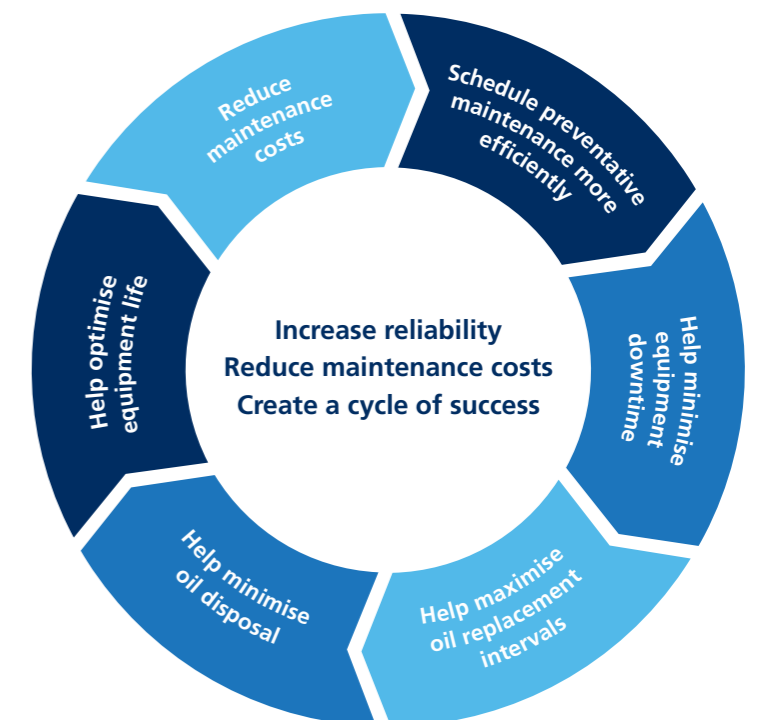
LubeWatch oil analysis enables you to track the performance of equipment that is the lifeblood of your business. By analysing oil samples on a regular basis, you can help optimise equipment life and oil replacement intervals, identify lubricant-related needs and understand the changing environment within a piece of equipment. This knowledge helps in the precise scheduling of maintenance work that can reduce downtime or even eliminate the risk of catastrophic failure.

The LubeWatch oil analysis programme provides:

- > Accurate results on five basic test packages and a wide variety of specialised testing procedures
- > Reliable interpretation of test results and actionable recommendations based on the data
- > 48-hour turnaround of tests and analyses indicating abnormal or critical steps, provided by email or accessible online
- > Advanced technical services including component failure and/or wear particle analysis
- > Expert training and in-field advice and support
- > Added assurance of oil and system integrity when running on an extended oil drain interval programme.

LubeWatch® Oil Analysis Program

For more information visit:
texacolubricants.com/LubeWatch





Advanced technology Texaco® lubricants & coolants.
Whatever the lubricant requirement – private and commercial vehicles
through to industrial plant and machinery operating in some of the
world's most challenging environments – customers trust Texaco.



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