



LUBRICANTS RANGE

FISHING, WATERWAYS, COASTAL SHIPPING & LEISURE CRAFT



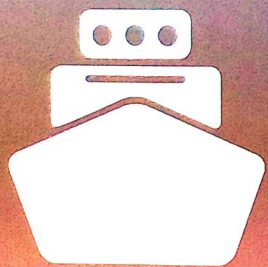
www.total.gr
#TotalHellas

Energizing performance. Every day





PROFESSIONAL SEGMENT



Pilot boats
Transportation
Fishing



LATEST TECHNOLOGY
HIGH PERFORMANCE
USE UNDER SEVERE CONDITIONS

TOTAL DEVELOPS HIGH-TECHNOLOGY LUBRICANTS

ideally suited to fishing, coastal and inland marine navigation

MULTIGRADE ENGINE LUBRICANTS

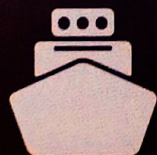
- ◆ High-speed 4-stroke Diesel engines

MONOGRADE ENGINE LUBRICANTS

- ◆ 4-stroke Diesel engines
- ◆ 2-stroke Diesel engines

SPECIAL LUBRICANTS

- ◆ Hydraulic systems
- ◆ Stern tubes
- ◆ Reduction drives



PROFESSIONAL SEGMENT



Pilot Boats



Transportation



Fishing





CAPRANO TDJ 15W-40

New industrial Diesel engine lubricant, based on "Low SAPS"⁽¹⁾ technology

INTERNATIONAL SPECIFICATIONS

- ▶ ACEA E9 / E7
- ▶ API CJ-4

MANUFACTURERS' APPROVALS

- ▶ MAN M3575
- ▶ CUMMINS CES 20081
- ▶ VOLVO VDS-4

MEETS THE REQUIREMENTS

- ▶ CATERPILLAR ECF-3 / ECF-2 / ECF-1a

USE

- ▶ New depolluted engines in: Coastal and Inland Marine and harbour machines.

ADVANTAGES

- ▶ **Low SAPS⁽¹⁾ technology**
- ▶ Adapted to engines equipped with selective catalytic reduction (SCR) units

⁽¹⁾ "SAPS": Sulphated Ashes, phosphorus and sulfur



CAPRANO TDI 15W-40

Very high performance lubricant specially developed for the most modern high speed marine Diesel engines.

INTERNATIONAL SPECIFICATIONS

- ▶ ACEA E7 / E5
- ▶ API CI-4/CH-4/SL

MANUFACTURERS' APPROVALS

Engine

- ▶ BAUDOUIIN PERFORMANCE B
- ▶ CUMMINS CES 20078/20077/20076
- ▶ MAN M3275
- ▶ MTU CATEGORY 2
- ▶ VOLVO VDS-3

Reduction drive/Reversing gear

- ▶ ZF TE-ML 04C

MEETS THE REQUIREMENTS

- ▶ CATERPILLAR ECF-2

SUITABLE FOR

- ▶ MITSUBISHI (medium speed)

USE

- ▶ Can be used for lubricating auxiliary units and transmission systems.

ADVANTAGES

- ▶ Ensures longer engine life and internal engine cleanliness
- ▶ Maintains engine efficiency
- ▶ Highly effective in protecting against liner polishing
- ▶ Excellent wear and corrosion control



CAPRANO TDH 15W-40

High performance lubricant specially developed for high speed marine Diesel engine and also suitable for all naturally aspirated or turbocharged Diesel engines.

INTERNATIONAL SPECIFICATIONS

- ▶ ACEA E5
- ▶ API CH-4 / SL

MANUFACTURERS' APPROVALS

Engine

- ▶ Baudouin Performance B
- ▶ Cummins CES 20076
- ▶ MAN M 3275-1
- ▶ MTU Category 2
- ▶ Volvo VDS-2

Reduction drive/Reversing gear

- ▶ ZF TE-ML 04C

MEETS THE REQUIREMENTS

- ▶ CATERPILLAR ECF-1a / ECF-1

SUITABLE FOR

- ▶ HONDA, LOMBARDINI, MITSUBISHI, MWM, PERKINS, SUZUKI, VOLKSWAGEN, YANMAR

USE

- ▶ Can be used for lubricating auxiliary units and transmission systems.

ADVANTAGES

- ▶ Ensures longer engine life and internal engine cleanliness
- ▶ Maintains engine performance and efficiency
- ▶ Highly effective in preventing liner polishing
- ▶ Good wear and corrosion control



CAPRANO RANGE

MULTIGRADE LUBRICANTS FOR 4 STROKE DIESEL ENGINES



UP TO 5% FUEL SAVINGS*



**REDUCTION IN
CO₂ EMISSIONS
OF UP TO 75 TONS**
/VESSEL /YEAR**



CAPRANO TDJ FE 10W-30

New industrial Diesel engine **lubricant based on « Low SAPS ⁽¹⁾ » technology and Fuel Saving formulation**, particularly suitable for the lubrication of Diesel engine equipped with Diesel Particulate Filters (DPF).

INTERNATIONAL SPECIFICATIONS

- ▶ ACEA E9/E7
- ▶ API CJ-4 / CI-4

MANUFACTURERS' APPROVALS

- ▶ CUMMINS CES 20081
- ▶ MAN M 3575
- ▶ VOLVO VDS-4

MEETS THE REQUIREMENTS

- ▶ CATERPILLAR ECF-3/ECF-2/ECF-1A

SUITABLE FOR

- ▶ TOTAL CAPRANO TDJ FE 10W-30 is also suitable for engines with selective catalytic reduction systems.

USE

- ▶ Can be used in older technology engines.

ADVANTAGES

- ▶ Recognized fuel-savings performance
- ▶ Allows extension of the life time of the particulate filters
- ▶ Reduces polluting emission
- ▶ Compatible with after treatment systems used in new emission controlled engines

*Results compared to a standard SAE 40 type oil, for a boat consuming on average 80L/h and working 7,000 hours per year. Results dependent on the engine types and the conditions of use.

⁽¹⁾"SAPS" : Sulphated ashes, phosphorus and sulfur

CAPRANO ENERGY FE 15W-30

Very high performance lubricant specially developed for the most modern high speed marine Diesel or gasoline engines **allowing Fuel Economy while reducing polluting emissions.**

INTERNATIONAL SPECIFICATIONS

- ▶ ACEA E7
- ▶ API CI-4/SL

MANUFACTURERS' APPROVALS

- ▶ BAUDOIN PERFORMANCE B
- ▶ CUMMINS CES 20078/20077
- ▶ MAN M 3275
- ▶ MTU CATEGORY 2
- ▶ VOLVO VDS-3
- ▶ WÄRTSILÄ-POYAUD UD 18/23/25/150/30

MEETS THE REQUIREMENTS

- ▶ CATERPILLAR ECF-2

SUITABLE FOR

- ▶ DEERE, DEUTZ, HONDA, NANNI, PERKINS, SUZUKI, YANMAR...

USE

- ▶ Can be used for lubricating auxiliary units.

ADVANTAGES

- ▶ Allows Fuel Economy and output gain
- ▶ Maintains engine efficiency and protects against liner polishing
- ▶ Reduces polluting emissions
- ▶ Ensures longer engine life and internal engine cleanliness

**On the basis of 5% of fuel savings / 2,7 kg of CO₂ per litre of fuel (EPA) / 7,000 hours in use per year / average consumption of 80 l/hr / depending on the engine types and conditions in use.

MONOGRADE LUBRICANTS FOR 4 STROKE DIESEL ENGINES



CAPRANO MT 30/40

High performance monograde lubricants for 4 Stroke Diesel engines used in River and Coastal shipping.

INTERNATIONAL SPECIFICATIONS

- ▶▶ ACEA E7
- ▶▶ API CH-4/CG-4/CF-4/CF
- ▶▶ NATO O-278 (SAE 40)

MANUFACTURERS' APPROVALS

Engine

- ▶▶ MTU Category 2
- ▶▶ Baudouin Performance A

Reduction drive/Reversing gear

- ▶▶ ZF TE ML 04A/B

MEETS THE REQUIREMENTS

- ▶▶ ABC Series DX/DZ
- ▶▶ Caterpillar 3116/3126 MUI Marine engines
- ▶▶ Deutz/MWM Medium and Big engines
- ▶▶ Wartsila-Poyaud Series
- ▶▶ Mitsubishi U "medium speed" series engines

SUITABLE FOR

- ▶▶ BOLNES, MAK, STORK

Reduction drive/Reversing gear

- ▶▶ MASSON, BAUDOIN

USE

- ▶▶ Marine Diesel engine, Static engine, Transmission systems

ADVANTAGES

- ▶▶ Excellent detergent and dispersant capabilities which avoid ring sticking and guarantee internal engine cleanliness in all running conditions
- ▶▶ Good antiwear and anticorrosion capacities providing engine and transmission durability



CAPRANO M 30/40

Monograde oil for fast and semi-fast Diesel engines used in Inland or Coastal Navigation.

INTERNATIONAL SPECIFICATIONS

- ▶▶ API CF

MANUFACTURERS' APPROVALS

Engine

- ▶▶ Wartsila-Poyaud Series W and UD
- ▶▶ MAN Diesel and turbo

Reduction drive/Reversing gear

- ▶▶ ZF TE-ML 04A/04B
- ▶▶ Reintjes BV 2060/3&4 and BV 1597/3&4
- ▶▶ Renk Marine gearboxes
- ▶▶ Flender A 66

SUITABLE FOR

- ▶▶ ABC, DEUTZ, MAK...

Reduction drive/Reversing gear

- ▶▶ BAUDOIN, MASSON, FINNOY

USE

- ▶▶ Propulsion and auxiliary engine, Transmission systems

ADVANTAGES

- ▶▶ Ensures long engine and transmission system life
- ▶▶ High detergent, dispersant and antiwear capabilities, ensuring cleanliness and long life for engine and transmission systems.



CAPRANO RANGE MONOGRADE LUBRICANTS

MONOGRADE LUBRICANTS FOR 2 STROKE DIESEL ENGINES



CAPRANO TC 40

Monograde detergent lubricant specially designed for 2-stroke Diesel engines turbocharged or naturally aspirated and operating in severe conditions.

INTERNATIONAL SPECIFICATIONS

- ▶ API CF-2

MANUFACTURERS' APPROVALS

- ▶ DETROIT DIESEL SERIES 53, 71, 92 ET 149 MARINE

SUITABLE FOR

- ▶ Caterpillar and 4 strokes Detroit Diesel engines when this type of lubricant is necessary.

USE

- ▶ Specially recommended for lubricating 2-stroke Detroit Diesel engines.

ADVANTAGES

- ▶ Good detergent-dispersant properties, preventing deposit formation at low temperatures
- ▶ Excellent resistance to oxidation
- ▶ Excellent thermal stability
- ▶ High antiwear capability and excellent anticorrosion properties



HYDROFLO CT

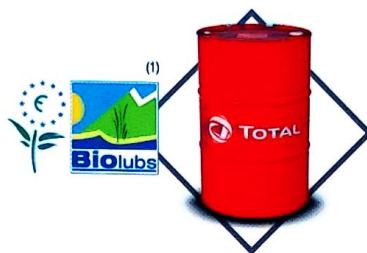
Hydraulic fluid with **very high viscosity index and shear resistance**, particularly recommended for high working pressures (over 200 bar).

INTERNATIONAL SPECIFICATIONS

- ▶ ISO 6743/4 – HV
- ▶ DIN 51524 p.3 – HVLP
- ▶ AFNOR NF 48 603 - HV

ADVANTAGES

- ▶ **High antiwear capability** ensuring a long life for mechanical components
- ▶ **Extremely stable viscosity** in any conditions
- ▶ High resistance to oxidation and hydrolysis
- ▶ Good rust and corrosion control



BIOHYDRAN TMP 46, 68, 100

Synthetic biodegradable hydraulic fluids of high quality, specially recommended when there is a danger of contaminating water or sensitive environments which must be preserved.

INTERNATIONAL SPECIFICATIONS

- ▶ ISO 15380 : HEES
- ▶ Registration number : FR / 27 / 02 AFNOR CERTIFICATION

MEETS THE REQUIREMENTS

- ▶ Swedish Standard SS 15 54 34

ADVANTAGES

- ▶ **Environmentally friendly**
- ▶ **Excellent resistance to mechanical shear**
- ▶ Excellent antiwear and anticorrosion properties allowing to extend the life of mechanical components
- ▶ **Very high natural viscosity number and performs very well**

⁽¹⁾ Complying with the European Eco-label



CARTER EP 150, 220, 320

Minerals lubricants specially developed for **lubricating enclosed gearing**, operating in severe conditions.

INTERNATIONAL SPECIFICATIONS

- ▶ DIN 51517 Part 3- CLP
- ▶ ISO 12925-1 CKD
- ▶ AGMA 9005 – E02 (EP)
- ▶ DAVID BROWN
- ▶ CINCINNATI MILACRON

ADVANTAGES

- ▶ **Excellent extreme pressure and antiwear properties**
- ▶ Good anticorrosion properties
- ▶ Good thermal stability and excellent filterability



CERAN XM 220

Extreme-pressure water resistant high temperature « NEW GENERATION » calcium sulfonate complex grease.

INTERNATIONAL SPECIFICATIONS

- ▶▶ ISO 6743-9: L-XCFIB ½
- ▶▶ DIN 51 502: KP1/2R-30

ADVANTAGES

- ▶▶ NEW GENERATION calcium sulfonate complex soap with enhanced properties in terms of water resistance, load capacity, thermal resistance
- ▶▶ Suitable for shock loaded applications in industry even in severe demanding environment (water, dust, high temperature)
- ▶▶ The NEW GENERATION of calcium sulfonate complex soap allows to keep outstanding CERAN XM 220 performances even in case of high speed applications where normally polyurea or lithium complex greases are requested



MULTIS EP 2

Multi purpose extreme pressure lithium/calcium grease.

INTERNATIONAL SPECIFICATIONS

- ▶▶ ISO 6743-9: L-XBCEB 2
- ▶▶ DIN 51 502: KP2K-25

ADVANTAGES

- ▶▶ Long lasting lubricant film. Extended life cycle of the lubricated parts
- ▶▶ Can be mixed with most conventional soap-based greases
- ▶▶ Remarkable pumpability



BIOMULTIS EP 2

High-performance extreme pressure biodegradable lithium grease.

INTERNATIONAL SPECIFICATIONS

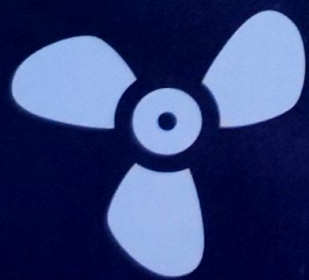
- ▶▶ ISO 6743-9: L-XCEEB 2
- ▶▶ DIN 51 502: KP2K-30

ADVANTAGES

- ▶▶ Extensive application range
- ▶▶ Durable film
- ▶▶ Low environmental impact:
- ▶▶ Biodegradable, low toxicity to aquatic organisms

⁽¹⁾ Complying with the European Eco-label

PROFESSIONAL



LEISURE BOATS



INNOVATION
CLEANER ENGINE
ENVIRONMENT PROTECTION

TOTAL DEVELOPS CUTTING-EDGE LUBRICANTS

specifically designed for leisure boating :

SPORTS AND LEISURE ENGINES



- ◆ Inboard and Outboard gasoline engines
- ◆ 2-strokes and 4-strokes gasoline engines

NEPTUNA

Is the **new lubricants range** specially designed by TOTAL for leisure boats.

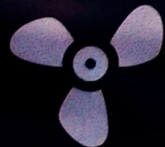
All the Total group's expertise has been devoted to leisure boats professionals and yachtsmen.

A COMPLETE RANGE OF LUBRICANTS FOR GASOLINE AND DIESEL ENGINES

Recognized properties: High performance, consistent quality, cleaner engine.

Products at the sharp end of technology. These lubricants meet the manufacturers' technological requirements and the latest international standards (ACEA, NMMA, API ...)

NEPTUNA: FOR OPTIMUM PERFORMANCE AND LONGER ENGINE LIFE



LEISURE BOATS



NEPTUNA SPEEDER 10W-30

Latest generation synthetic based oil developed for 4-stroke Gasoline engines operating at full load. NEPTUNA SPEEDER 10W-30 has been **specially developed for leisure boats sector engines and meets the specifications of the most stringent and most recent standard:**
NMMA FC-W® FC-31098U

INTERNATIONAL SPECIFICATIONS

- ▶ NMMA FC-W® FC-31098U
- ▶ API SL
- ▶ HONDA / YAMAHA / BOMBARDIER / MERCURY / EVINRUDE / JOHNSON / SUZUKI

ADVANTAGES

- ▶ High resistance to the marine environment
- ▶ Exceptional temperature resistance



NEPTUNA 2T SUPER SPORT

Mineral lubricant for 2-stroke Gasoline engines. NEPTUNA 2T SUPER SPORT is **recommended for engines operating in normal conditions.**

INTERNATIONAL SPECIFICATIONS

- ▶ API TC
- ▶ NMMA TC-W3®

SUITABLE FOR

- ▶ JOHNSON, MARINER, YAMAHA, MERCURY, SUZUKI

ADVANTAGES

- ▶ Good detergence level and improved antiwear performance



NEPTUNA 2T BIO-JET

A biodegradable synthetic lubricant for 2-stroke Gasoline engines. NEPTUNA 2T BIO-JET is **particularly suited to high speed engines.**

INTERNATIONAL SPECIFICATIONS

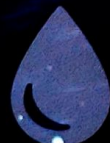
- ▶ API TC
- ▶ NMMA TC-W3® RL-20097F

SUITABLE FOR

- ▶ EVINRUDE, JOHNSON, MERCURY, SUZUKI, YAMAHA, KAWASAKI, MARINER, BOMBARDIER, SEA-DOO

ADVANTAGES

- ▶ Excellent lubrication at extreme temperatures
- ▶ Smoke free
- ▶ Biodegradable



NEPTUNA RANGE



BIOTRAFFIC 1000 FE 10W-30

Very high performance synthetic biodegradable lubricant, coming from renewable raw material, dedicated to all engine types and furthermore providing substantial Fuel Economy.

INTERNATIONAL SPECIFICATIONS

- ▶ ACEA E7/A3/B3/B4
- ▶ API CI-4/SL

MEETS THE REQUIREMENTS

- ▶ VOLVO VDS-3, MAN M3275, CUMMINS CES 20078,
- ▶ CATERPILLAR ECF-2, MTU Category 2

SUITABLE FOR

- ▶ PERKINS

USE

- ▶ All depolluted engines according to TIER 1,2,3 &4 and EURO I, II, III, IV & V

ADVANTAGES

- ▶ Performances
- ▶ Fuel Economy
- ▶ Environnement friendly



BIOTRANS LS FE 75W-90

Very high performance synthetic biodegradable lubricant, coming from renewable raw material, dedicated to outdrives and transmissions.

INTERNATIONAL SPECIFICATIONS

- ▶ API GL-5 LS

ADVANTAGES

- ▶ Good compatibility with transmission organ seals
- ▶ Environnement friendly
- ▶ Fuel Economy



TRANSMISSION DUAL 9 FE 75W-90

A very high performance synthetic oil for leisure craft outdrives and transmissions.

INTERNATIONAL SPECIFICATIONS

- ▶ API GL-4/GL-5
- ▶ MIL. PRF.2105E
- ▶ MIL-L 2105 D

ADVANTAGES

- ▶ Resistant to high pressures and high temperatures
- ▶ Good detergence level
- ▶ Withstands attacks due to marine environment humidity and acidity



THE BIOLUBRICANTS



FLUIDE G3

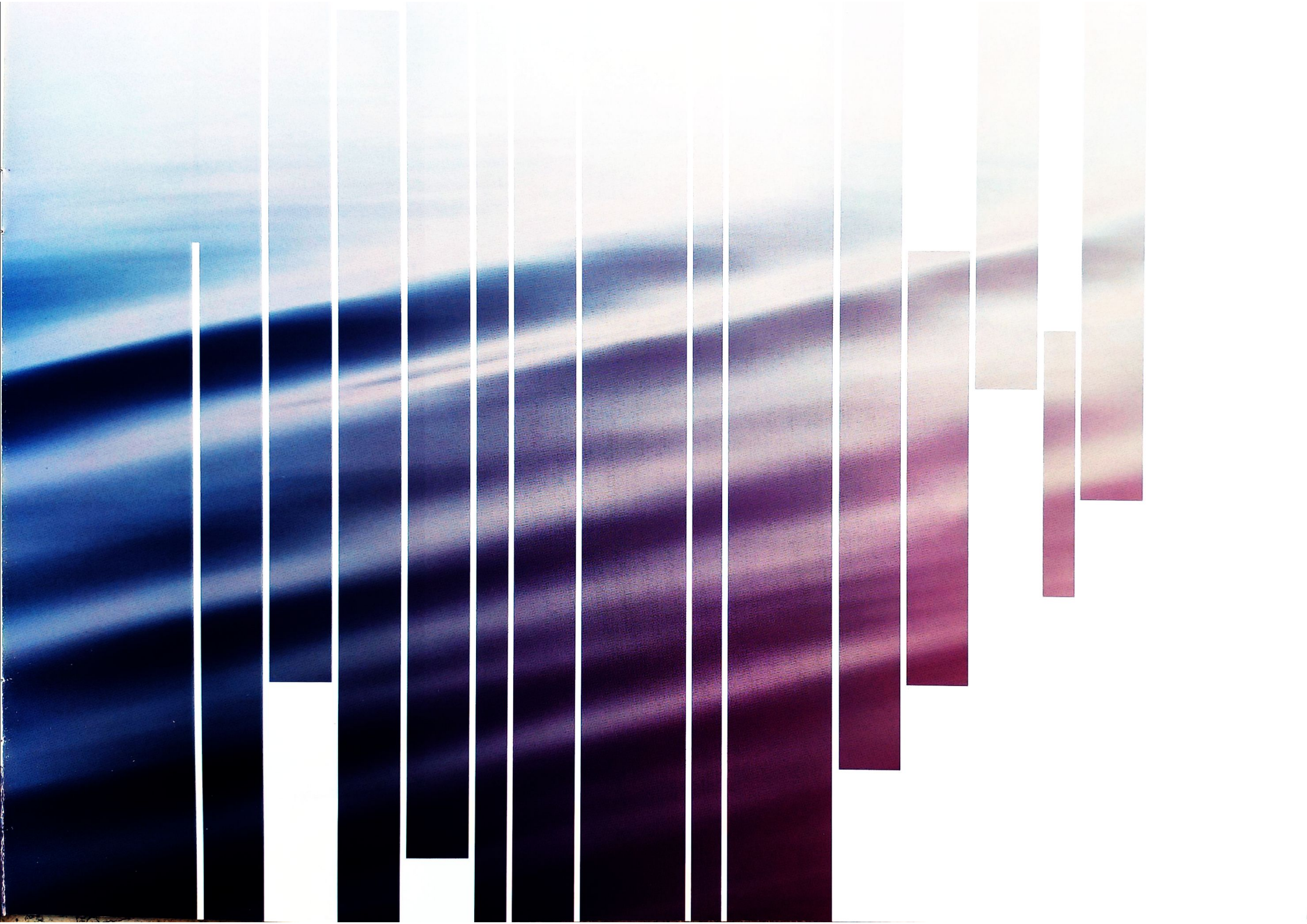
Special oil recommended for transmissions requiring a DEXRON III[®] fluid. FLUIDE G3 can be used as a hydraulic fluid for helm, inverter or trim.

INTERNATIONAL SPECIFICATIONS

- ▶▶ Grade ISO VG 32
- ▶▶ GM DEXRON III[®]

ADVANTAGES

- ▶▶ **Optimized friction properties**
- ▶▶ **Resists the pressures in gearing and in precision hydraulic circuits**
- ▶▶ **Stable performance even with low quantity of water**



TOTAL ANAC DIAGNOSTIC FOR fishing, waterways and coastal shipping



**IS A UNIQUE TOOL TO MAKE
YOUR COMPANY MORE COMPETITIVE**

**AN EXPERT
DIAGNOSIS SYSTEM**

The **TOTAL ANAC** service makes a diagnosis of all your equipment's mechanical components (engine, transmissions, hydraulics) by in-service oil samples. In case of deviatory analysis results advise is given on corrections actions to be executed in order to avoid damages or excessive wear.

THE TOTAL ANAC'S AIMS:

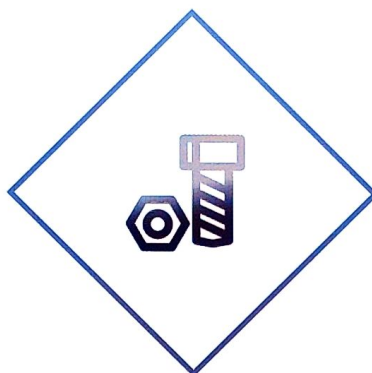
TOTAL ANAC is both a preventive and corrective service which gives your company a real competitive advantage.

- ▶ Lower operating costs due to reduced equipment repair or down time.
- ▶ Optimises maintenance of your equipement.

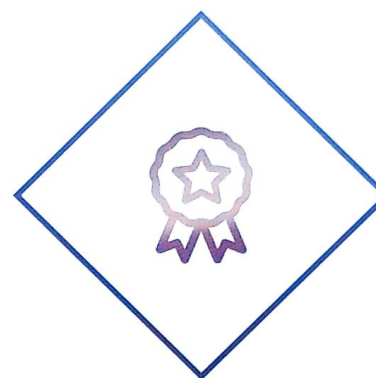
PROVEN RELIABILITY



MORE THAN **4,000,000**
DIAGNOSIS CARRIED OUT



MORE THAN **470,000**
MECHANICAL COMPONENTS
MONITORED



MORE THAN **30 YEARS'**
EXPERIENCE

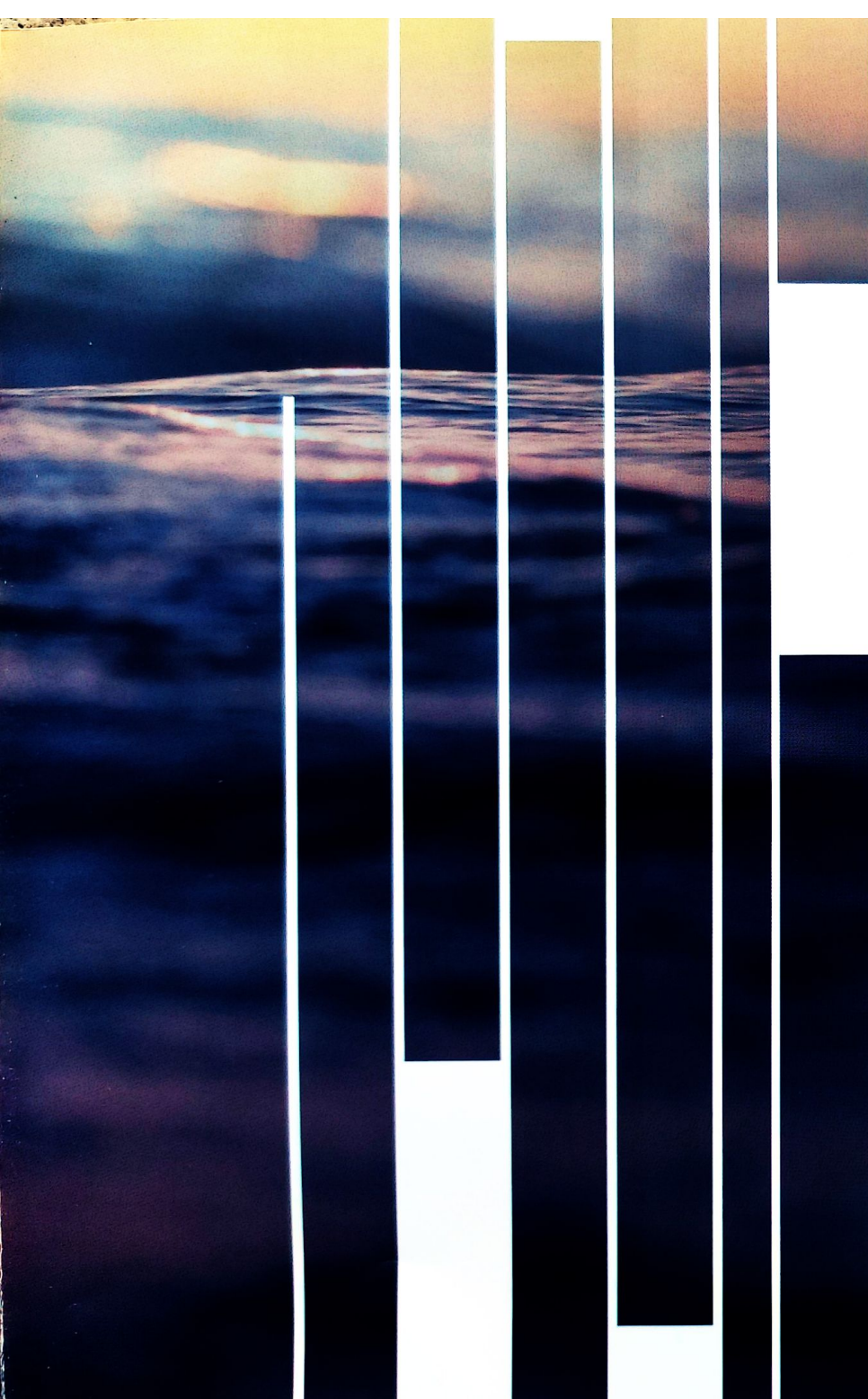
www.anac-diagnosis.com

- ▶▶ Simplified procedures.
- ▶▶ Personal secure access to your lubricant analysis results.

A WEBSITE TO:

- ▶▶ Quickly consult your analysis results.
- ▶▶ Download your diagnosis histories.
- ▶▶ Directly contact your **TOTAL ANAC** advisor.
- ▶▶ Analysis results consultable by smartphone or tablet.





LUBRICANTS RANGE

**FISHING, WATERWAYS,
COASTALS SHIPPING & LEISURE CRAFT**



www.total.gr
#TotalHellas



TOTAL
LUBRICANTS

TOTAL ΕΛΛΑΣ ΑΕΕ

Βορείου Ηπείρου 74-76 & Κονίτσης, 15125 Μαρούσι
Τηλ: 2130172100, Fax: 2105440344
Email: rm.enco-greece@total.com