

# ANTI-CORROSIVE OIL ANTI-CORROSIVE GREASE

Product catalog May 2023
Including Comparison- and Problem & solution guide



### ANTI-CORROSIVE OIL AND **ANTI-CORROSIVE GREASE**

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#### **ANTI-CORROSIVE OIL**

Forms a film resisting to pressure, moisture, sand, dirt,

dust and severe weather conditions

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### ETO 001 LUBRICATING FOR WIRE

Superior protection when applied as first coating on new wire ropes before applying some of EverTecs greases

#### **APPLICATIONS**

 All types of wire, ropes, axles, screws, hatches, schakles, fixed joints, bolts, equipment in storage

#### **FEATURES & BENEFITS**

- Wide application range
- · Easy to apply
- Excellent rust protection
- Gives an tough, adhesive, anti-corrosive, lubricating film
- Effective against rust and corrosion under severe weather conditions
- Resists water, alkali, salt spray and other corrosive elements
- · Spray able protective coating

#### **DIRECTIONS FOR USE**

ETO 001 is delivered ready for application by brush, airless spray or wire rope applicator. If required ETO 001 can be diluted with white spirit. Before application make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### CLEANING

Cleaning of tools and removal of old film is easily done with white spirit, ETC 400 or ETC 401.

#### PRODUCT PROPERTIES

Appearance Brown
Density ca. 0,89 kg/lit
Flash point 60 ° C
Viscosity ca. 67 cst
Theoretical coverage 10m2/lit
Drying time Semi-drying
Operating temp -20°C - +40°C



### ETO 002 ANTI-CORROSIVE OIL DRYING

Gives a superior rust-protection when applied on material which shall be stored inside or outside

#### **APPLICATIONS**

- All types of metal surfaces
- Engines
- Spare parts
- Axles
- Chain lockers
- Tools
- Wire ropes
- · Fixed joints
- Bolts
- Spindles
- Cofferdams

#### **FEATURES & BENEFITS**

- Wide application range
- Easy to apply
- Excellent rust protection for several years
- Gives a tough, adhesive, anti-corrosive, dry film
- Effective against rust and corrosion under severe weather conditions
- Resists water, alkali, salt spray and other corrosive elements
- Spray able protective coating

#### **DIRECTIONS FOR USE**

ETO 002 is delivered ready for application by brush or airless spray. If required ETO 002 can be diluted with white spirit. For best protection 2 coatings. i.e 50 my dry film. Before application make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old film is easily done with white spirit, ETC 400 or ETC 401.

#### PRODUCT PROPERTIES

Appearance Brown
Density ca. 0,84 kg/lit
Flash point 64 ° C
Viscosity ca. 79 cst
Theoretical coverage 10 m2/lit, 50 my
Drying time Surface dry 4 hrs
Completely dry 48 hrs

Operating temp  $-20^{\circ}\text{C} - +40^{\circ}\text{C}$ 



### ETO 003 ANTI-CORROSIVE OIL DRYING GEL

Forms a thick, firm but flexible film which act as an effective barrier sealing out moisture, air, acid and alkali fumes and other corrosive elements

#### **APPLICATIONS**

- Machine parts
- Axles
- Wires
- Hatches
- Schakles
- Fittings
- Wheel wells
- Equipment in storage

#### FEATURES & BENEFITS

- · Wide application range
- Easy to apply
- Rust protection for several years
- Forms a heavy, firm, flexible film to resist moisture, sand, dirt, dust and vibration
- Effective against rust and corrosion under severe weather conditions
- Recommended for use with airless spray

#### **DIRECTIONS FOR USE**

ETO 003 is delivered ready for application by brush or airless spray. The thixotropic effect makes ETO 003 applicable in thick coatings without dripping. If required ETO 003 can be diluted with mineral spirit. For best protection apply 2 coatings, i.e 100 my dry film. Before application make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old film is easily done with mineral spirit, ETC 400 or ETC 401.

#### PRODUCT PROPERTIES

Appearance Black
Density ca. 0,90 kg/l
Flash point 43° C
Viscosity Thixotropic
Total solids 52%

Theoretical coverage 6-8m2/lit, 100 my.
Drying time Surface dry 2 hrs
Completely dry 24 hours
Operating temp -20°C - +40°C



### ETO 004 ANTI-CORROSIVE OIL DRYING

Gives an excellent rust-protection when applied on material which shall be stored inside or outside

#### **APPLICATIONS**

- All types of metal surfaces
- Engines
- Spare parts
- Axles
- Tools
- Wire ropes
- · Fixed joints
- Bolts
- Spindles

#### **FEATURES & BENEFITS**

- Wide application range
- Easy to apply
- Excellent rust protection
- Gives an tough, adhesive, anti-corrosive, lubricating film
- Effective against rust and corrosion under severe weather conditions
- Resists water, alkali, salt spray and other corrosive elements
- Spray able protective coating

#### **DIRECTIONS FOR USE**

ETO 004 is delivered ready for application by brush or airless spray. If required ETO 004 can be diluted with white spirit. For best protection apply 2 coatings. i.e 25 my semi-dry film. Before application make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old film is easily done with white spirit, ETC 400 or ETC 401.

#### PRODUCT PROPERTIES

Appearance Brown
Density ca. 0,85 kg/lit
Flash point 50 ° C
Viscosity ca. 25 cst

Theoretical coverage 25-30m2/lit, ca. 35-40 my Drying time Surface dry 3 hrs

Surface dry 3 hrs Semi-dry 48 hrs

Operating temp -20°C-+40°C



### ETO 005 ANTI-CORROSIVE OIL THIN

Formulated for short term protection of metal parts under storage and transportation

#### **APPLICATIONS**

- All types of metal surfaces
- In engines without the need to remove film prior to starting the engine
- Spare parts
- Axles
- · Chain lockers
- Tools
- Wire ropes
- Fixed joints
- Bolts
- · Spindles
- · Cofferdams

#### FEATURES & BENEFITS

- Wide application range
- · Easy to apply
- Excellent rust protection for ca. 12 months indoor
- Excellent rust protection for ca. 2 months outdoor and ca.
   6 months under roof
- · Gives an adhesive, anti-corrosive, semi-dry film
- Effective against rust and corrosion under severe weather conditions
- Resists water, alkali, salt spray and other corrosive elements
- Spray able protective coating

#### **DIRECTIONS FOR USE**

ETO 005 is delivered ready for application by brush or airless spray. If required ETO 005 can be diluted with white spirit. For best protection 2 coatings. i.e 10 my dry film. Before application make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.hly drain and dry the heat exchanger.

#### **CLEANING**

Cleaning of tools and removal of old film is easily done with ETC 401 or similar.

Appearance Light Brown
Density ca. 0,85 kg/lit
Flash point ca. 48 ° C
Viscosity ca. 20 cst

Theoretical coverage ca. 25-30m2/lit, 10 my
Drying time Surface dry 3 hrs

Completely dry 36 hrs

Operating temp  $-20^{\circ}\text{C} - +40^{\circ}\text{C}$ 



### ETO 006 ANTI-CORROSIVE OIL DRYING THIN FILM

Excellent rust-protection when applied on material which shall be stored inside or outside

#### **APPLICATIONS**

- All types of metal surfaces
- Engines
- Spare parts
- Axles
- Tools
- Wire ropes
- · Fixed joints
- Bolts
- Spindles

#### **FEATURES & BENEFITS**

- Wide application range
- Easy to apply
- Excellent rust protection for ca. 18 months, indoor
- Excellent rust protection for ca. 6 months, outdoor and ca. 12 months under roof
- · Gives a tough, adhesive, anti-corrosive, dry film

#### **DIRECTIONS FOR USE**

ETO 006 is delivered ready for application by brush or airless spray. If required ETO 006 can be diluted with white spirit. For best protection 2 coatings. i.e 40-50 my dry film. Before application make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old film is easily done with ETC 401 or similar.

#### PRODUCT PROPERTIES

Appearance Brown
Density ca. 0,83 kg/lit
Flash point ca. 55 ° C
Viscosity ca. 35 cst

Theoretical coverage ca. 25m2/lit, 50 my
Drying time Surface dry 2 hrs

Completely dry 24 hrs

Operating temp -20°C - +40°C



# ETG 100 MULTI PURPOSE

Very good lubricating and protecting properties for use on wire, bolts, etc.

#### **APPLICATIONS**

- Machine parts
- Axles
- Wires
- Schakles
- Fittings
- Wheels
- Equipment in storage

#### **FEATURES & BENEFITS**

- Multi purpose use
- · Easy to apply
- Economical
- Forms a film resisting to moisture, sand, dirt and dust
- Applicable also in low temperatures
- Spray able protective coating

#### **DIRECTIONS FOR USE**

ETG 100 is delivered ready for application by brush, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old grease is easily done with mineral spirit, ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance Brown Density ca. 0,90 kg/lit Flash point >100° C ASTM D 92 Film Soft, greasy, lubricating paste Drying time Non drying Congealing point 70°C ASTM D 938 Melting point 80°C ASTM D 127 Operating temp -30 - +90°C **NLGI** 4



# ETG 101 FLUID FOR WIRE

Very good lubricating and protecting properties for use on wire, bolts, etc

#### **APPLICATIONS**

- Machine parts
- Axles
- Wires
- Schakles
- Fittings
- Screws

#### **FEATURES & BENEFITS**

- Wide application range
- Easy to apply
- Forms a film resisting to moisture, sand, dirt and dust
- Applicable also in very low temperatures
- Gives an adhesive, anti-corrosive, lubricating film
- · Effective against rust and corrosion
- Resists water, alkali, salt spray and other corrosive elements
- Spray able protective coating

#### **DIRECTIONS FOR USE**

ETG 101 is delivered ready for application by brush, most spray equipment, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

NLGI

Cleaning of tools and removal of old grease is easily done with mineral spirit, ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance Brown

Density ca. 0,85 kg/lit

Flash point 62°C ASTM D 92

Film Soft, greasy, lubricating

Drying time Non drying

Operating temp -25 - +35°C

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### ETG 102 TROPICAL FOR WIRE

Unique additives and corrosion inhibitors which makes it a superior lubricating and rust protecting grease to be used on all kind of wires and any parts for lubrication and rust protection

#### **APPLICATIONS**

- · Any wire for lubrication and rust protection
- · Open gears
- Machine parts
- Axles
- · Wheels
- Schakles
- Fittings
- Chains
- Screws
- · Equipment in storage

#### FEATURES & BENEFITS

- Very cost-effective
- · Easy to apply
- Forms a film resisting to moisture, sand, dirt, dust and severe weather conditions
- Will not drip off wires, i.e. avoid grease on deck etc.
- Has excellent adhesive, anti-corrosive and lubricating properties
- Very effective against rust and corrosion
- Resists water, alkali, salt spray and other corrosive elements
- · "Tropical grease"
- · Reduces wear
- Spray able protective coating

#### **DIRECTIONS FOR USE**

ETG 102 is delivered ready for application by brush, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old grease is easily done with ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance Density ca. 0,90 kg/lit >100° C ASTM D 92 Flash point Film Soft, greasy, lubricating paste Drying time Non drying Congealing point 70°C ASTM D 938 Melting point 80°C ASTM D 127 Operating temp -30 - +90°C **NLGI** 



### ETG 103 HIGH TEMPERATURE

Contains rust and corrosion inhibitors and provides a uniform coating with high film integrity and durability

#### **APPLICATIONS**

- · Warm-water tanks
- Steam pipes
- · Open gears
- Machine parts
- Axles
- Wheels
- Fittings
- Screws

#### **FEATURES & BENEFITS**

- Forms a film resisting to heat, moisture, sand, dirt, dust and severe weather conditions
- Has very good adhesive, anti-corrosive and lubricating properties
- Very effective against rust and corrosion
- Resists water, alkali, salt spray and other corrosive elements
- Spray able protective coating

#### **DIRECTIONS FOR USE**

ETG 103 is delivered ready for application by brush, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### CLEANING

Cleaning of tools and removal of old grease is easily done with mineral spirit, ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance Aluminium colour
Density ca. 0,95 kg/lit
Flash point >150 °C ASTM D 92
Film Greasy, lubricating paste
Drying time Non drying
Melting point >200 °C ASTM D 127n



# ETG 104 HIGH PRESSURE

Resisting to pressure, moisture, sand, dirt, dust and severe weather conditions

#### **APPLICATIONS**

- · Open gears
- Machine parts
- Axles
- Wheels
- Fittings
- Screws
- Hatch cover runways

#### **FEATURES & BENEFITS**

- Forms a film resisting to pressure, moisture, sand, dirt, dust and severe weather conditions
- Has very good adhesive, anti-corrosive and lubricating properties
- Very effective against rust and corrosion
- Resists water, alkali, salt spray and other corrosive elements
- Spray able protective coating
- Reduces wear

#### **DIRECTIONS FOR USE**

ETG 104 is delivered ready for application by brush, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old grease is easily done with mineral spirit, ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance	Light brown
Density	ca. 0,92 kg/lit
Flash point	>150 °C ASTM D 92
Film	Greasy, lubricating paste
Drying time	Non drying
Melting point	>150 °C ASTM D 127
Operating temp	-30 - +200°C
NLGI	2
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# ETG 105 ALUMINIUM

Anti-corrosive grease containing rust and corrosion inhibitors and provides a uniform coating with high film integrity and durability

#### **APPLICATIONS**

- Most deck equipment
- · Open gears
- Machine parts
- Axles
- Wheels
- Spindles
- Shuttles
- Fittings
- Screws
- Bolts
- Conveyers
- · Hatch cover wheels and runways runways

#### **FEATURES & BENEFITS**

- Forms a film resisting to pressure, moisture, sand, dirt, dust and severe weather conditions
- Has very good adhesive, anti-corrosive and lubricating properties
- Very effective long term protection against rust and corrosion
- Resists water, alkali, salt spray and other corrosive elements
- · Reduces wear

#### **DIRECTIONS FOR USE**

ETG 105 is delivered ready for application by brush, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture. ETG 105 has a low lubrication factor and is not suitable for use on high speed wires

#### **CLEANING**

Cleaning of tools and removal of old grease is easily done with mineral spirit, ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance Aluminium glossy Density ca. 1,25 kg/lit >150°C ASTM D 92 Flash point Film Soft paste Drying time Semi drying Congealing point 100°C ASTM D 938 >120°C ASTM D 127 Melting point -5 - +250°C Operating temp **NLGI** 5



### ETG 106 WHITE

Provides a uniform coating with high film integrity and durability. Specially suitable for use on passenger ships.

#### **APPLICATIONS**

- · Life boat falls
- Standing rigging
- · Open gears
- · Wheels
- Screws
- Bolts

#### FEATURES & BENEFITS

- Forms a film resisting to pressure, moisture, sand, dirt, dust and severe weather conditions
- Has very good adhesive and anti-corrosive properties
- Very effective long term protection against rust and corrosion
- Resists water, alkali, salt spray and other corrosive elements
- Extreme high termostability
- White appearance
- · Spray able protective coating
- · Reduces wear

#### **DIRECTIONS FOR USE**

ETG 106 is delivered ready for application by brush, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture. ETG 106 has a limited lubrication factor.

#### **CLEANING**

**NLGI** 

Cleaning of tools and removal of old grease is easily done with mineral spirit, ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance White ca. 1,57 kg/lit Density Flash point >150°C ASTM D 92 Film Soft paste Non drying Drying time Congealing point 140°C ASTM D 938 160°C ASTM D 127 Melting point Operating temp -5-+175°C



### ETG 107 FLUID PENETRATING

#### Very good penetrating properties with high film durability

#### **APPLICATIONS**

- Any wire for lubrication and rust protection
- · Machine parts
- Axles
- Wheels
- Fittings
- Chains
- Screws
- Equipment in storage

#### **FEATURES & BENEFITS**

- Easy to apply
- Resisting to moisture, sand, dirt, dust and severe weather conditions
- Has excellent adhesive, anti-corrosive and lubricating properties
- Very effective against rust and corrosion
- Resists water, alkali, salt spray and other corrosive elements
- · Reduces wear
- Spray able

#### **DIRECTIONS FOR USE**

ETG 107 is delivered ready for application by spray gun, brush or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

**NLGI** 

Cleaning of tools and removal of old grease is easily done with ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance Brown
Density ca. 0,82 kg/lit
Flash point 42° C ASTM D 92
Film Semidry, lubricating
Drying time Ca 24 hrs
Operating temp -30 - +35°C

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### ETG 108 TECHNICALLY JELLY

A technical jelly for use on rubber packings, as anti-corrosive coating, etc. with high film durability

#### **APPLICATIONS**

- Fittings
- Equipment in storage
- · Rubber packings.

#### **FEATURES & BENEFITS**

- Very cost-effective
- Easy to apply
- Resisting to moisture, sand, dirt, dust and severe weather conditions
- · Has excellent adhesive and lubricating properties
- · Very effective
- Stabile in a wide temperatur range
- Resists water, alkali, salt spray and other corrosive elements
- · Anti-corrosive
- · Reduces wear
- · Prolongs the lifetime of rubberpackings

#### **DIRECTIONS FOR USE**

ETG 108 is delivered ready for application by brush or roller and after heating by dipping and spray. Before application, for best result, remove dirt, old jelly and grease and make sure that surfaces is free from moisture.

#### **CLEANING**

Cleaning of tools and removal of old jelly is easily done with ETC 400, ETC 401, ETC 402 or ETC 403.

#### PRODUCT PROPERTIES

Appearance Light yellow
Density ca. 0,88 kg/lit
Flash point >200° C ASTM D 92

Dropping point 70° C

Film Greasy, lubricating

Drying time Non drying
Operating temp -30 - +75°C

NLGI 4



### ETG 109 GRAPHITE

Graphite based grease, specially developed for use on surfaces exposed to extreme pressure. The grease adheres readily also to moist surfaces and will not be washed away

#### **APPLICATIONS**

- · Open gears
- Machine parts
- · Plain bearings
- Slides
- Axles
- · Wheels
- All kinds of wire
- Fittings
- Screws
- · Pin bearings
- Splines

#### **FEATURES & BENEFITS**

- Forms a film resisting to pressure, moisture, sand, dirt, dust and severe weather conditions
- Has very good adhesive, anti-corrosive and lubricating properties
- · Very effective against rust and corrosion
- Effective in a wide range of temperature
- Resists water, alkali, salt spray and other corrosive elements
- Spray able protective coating
- · Reduces wear

#### **DIRECTIONS FOR USE**

ETG 109 is delivered ready for application by brush, draw glove or wire lubricator. Before application, for best result, remove rust, dirt and old grease and make sure that surfaces is free from moisture, use ETR 304 which efficiently displaces the moisture.

#### **CLEANING**

Cleaning of tools and removal of old grease is easily done with mineral spirit, ETC 400 or ETC 401.

#### PRODUCT PROPERTIES

Grey/black Appearance Density ca. 0,95 kg/lit >150 °C ASTM D 92 Flash point Film Greasy, lubricating paste Drying time Non drying Melting point >150 °C ASTM D127 Operating temp -30 - +200°C NLGI 2



### **ETG 122 BIO**

#### A biodegradable EAL grease

#### **APPLICATIONS**

- · Lubrication of any wire
- Marine on-deck applications
- · Heavily loaded bearings
- · Rudder stock
- Winches
- · Open gears
- Compatible with our ETG 102

#### FEATURES & BENEFITS

- Fully biodegradable EAL grease
- Extreme long lifetime lubrication
- High oxidative stability
- Superior water resistance
- Excellent adhesive properties, anti-corrosive and lubricating properties
- · Easy to apply
- Complies with spec. for EAL grease, as set out in section 2.2.9 of the VGP 2013 legislation issued by US/EPA, and the Swedish Standard 155470

#### **DIRECTIONS FOR USE**

ETG 122 BIO is easy to apply with any wire rope lubricator, grease gun, by brush or spray.

For a superior wire rope penetration, the use of pressurised applicator is recommended.

#### **CLEANING**

Cleaning is easily done with any degreaser available.

#### PRODUCT PROPERTIES

Thickener		Anhydrous
		Calcium
Base fluid		Ester
Texture		Smooth
Colour	Visual	Yellow
NLGIGrade	ASTM D 217	2
Dropping point	IP396	>140°C
Base oil viscosity at 40°C	ASTM D 7152	$560  \text{mm}^2/\text{s}$
Base oil viscosity at 100°C	ASTM D 7152	$58  \text{mm}^2/\text{s}$
Penetration 60 strokes	ISO 2137	265-295
4-ball weld load	DIN 51350:4	3400 N
Water resistance at 90°C	DIN 51807:1	0
Water wash out at 79°C	ISO 11009	<5%
Emcor salt water:	ISO 11007	< 2-2
Water spray off	ASTM D4049	20%
Flow Pressure at -40°C:	DIN 51805 mod	>1400mbar
Readily biodegrable content	<b>EEL calculation</b>	86%
Renewable carbon content	<b>EEL</b> calculation	83%
SKF R2F B at 120°C:	SKF	Pass
Density:	IP 530	950g/m <sup>3</sup>
Temperature range:		40°C-+120°C
Readily biodegrable content	EEC calculation	>60%



### **ETG 135 BIO**

### Premium grease designed for lubrication and protection

#### **APPLICATIONS**

- Excellent allround multi-purpose EAL for marine applications
- · Deck equipment
- High loaded open gears
- Slides
- Hinges
- · Mooring wires
- · Crane wires
- Towing Wires
- · Davit wires
- · Harbor cranes
- · Heavy loads
- Extreme pressure
- Protects gear teeth, rolling and plain bearings
- · Stern roller
- · Rudder carrier
- Propeller caps
- Submerged pumps
- · POD propulsion
- · POD stearing gear

#### **FEATURES & BENEFITS**

- Based on renewable biodegradable vegetable oil, esters and polymers.
- Contains antioxidants, corrosion inhibitors and EP/AW additives
- Excellent anti-wear and anticorrosion properties.
- Designed for lubrication and protection
- Specifically suitable for marine applications and the off-shore oil & gas industry.
- Good mechanical stability, load carrying capacity, and corrosion protection
- Suitable for heavily loaded bearings, all kind of steel wires, as well as wet environments.
- Powerful adhesion and water resistance properties
- Excellent penetrating properties
- Can with advantage be used for first coating of any new steel wire
- · Very effective and economical
- Helps extend the life of your wire
- No drip off that could contaminate your deck or goods
- Reduces maintenance costs

#### **DIRECTIONS FOR USE**

ETG 135 BIO is applicated by brush or automatic wire rope lubricators.

#### **CLEANING**

Cleaning is easily done with any degreaser available.

#### PRODUCT PROPERTIES

Thickener		Anhydrous Calcium
Base fluid		Vegetable oil/
		Ester/Polymer
Texture		Smooth
Colour	Visual	Yellow
NLGI Grade	ASTM D 217 mod	2
Dropping point	IP 396	> 140°C
Base oil viscosity at 40°C	ASTM D 7152	130 mm2/s
Base oil viscosity at 100°	CASTM D 7152	23 mm2/s
Penetration 60 strokes	ISO 2137	265 - 295
4-ball weld load	DIN 51350:4	2800 N
Water resistance at 90°C	DIN 51807:1	0
Water wash out at 38°C	ISO 11009	< 10 %
Emcor salt water	ISO 11007	≤ 2 - 2
Flow Pressure at -20°C	DIN 51805 mod	< 1400 mbar
Readily biodegradable		
content	EEL calculation	83%
Renewable carbon		
content	EEL calculation	93%
Density	IP 530	920 kg/m3
Temperature range		-20°C to +100 °C



### COMPARISON GUIDE - ANTI-CORROSIVE OIL

EVERTEC	DREW	EMS TOGO	UNITOR/ROCHEM	VALVOLINE	SHELL	FERRYL	OTHERS
ETO 001	-	-	350	-	Malleus Fluid D	101	Rocol RD 205
ETO 002	-	Dinitrol 33	200	Tectyl 506, 122	Ensis Fluid SX	103	BP Stemkor L
ETO 003	-	Dinitrol 110	Corroguard T	Tectyl 125	-	-	Castrol 2509
ETO 004	_	Dinitrol 41	_	-	Ensis Fluid E	_	_

### COMPARISON GUIDE - ANTI-CORROSIVE GREASE

EVERTEC	DREW	EMS TOGO	UNITOR/ROCHEM	VALVOLINE	SHELL	FERRYL	OTHERS
ETG 100	-	-	-	-	-	Alvania Rl3	-
ETG 101	-	-	-	-	-	Retinax Cs00	-
ETG 102	Nevamelt	Dinitrol Wire grease	-	-	Rhodina Ep2	202, std, 2025	Ferro-Bet, Rocol Cl289, Norus rigg & wire grease, Castrol 335, Omega 73 Fluid Film, Sperrol SX-2, Mobilarma 798, Texclad Prem., Cardrexa D
ETG 103	-	-	-	-	-	-	BP Energrease AS, Rocol BG 411
ETG 104	-	-	355	Tectyl 858C	Alvania Ep1	-	BP Energrease,
				·	·		HTG 2, Mobilux EP 2, Castrol APS 2 Rocol BG 151, CRC adhesive grease
ETG 105	-	-	-	-	-	201 Alu	Norus, Lubiron, alu.
ETG 106	-	-	-	-	-	202 wh.	
ETG 107	-	Dinitrol 115	-	-	Retinax CS000	-	Rocol wire rope spray
ETG 108	_	_	-	_	_	-	-
ETG 109	-	-	-		RetinaxLX2	-	BP ball bearing grease, MOG Fiske, wirelub Rocol MTS 1000

### PROBLEMS & SOLUTION GUIDE - ANTI-CORROSIVE OILS/GREASES

REQUIREMENT	SOLUTION	PRODUCT (S)
Protection and lubrication of new wires, metal parts	Anti-corrosive, lubricating, penetrating, weather resistant oil	ETO 001, ETO 004, ETO 005, ETG 107
Long term protection of metal parts, inside or outside	Anti-corrosive, drying, forming a hard film, wear resistant oil	ETO 002, ETO 003, ETO 006
Long term protection of metal parts, inside or outside	Anti-corrosive, drying, forming a hard film which is flexible, wear resistant oil	ETO 003, ETO 006
Protection and lubrication of axles, wheels, wires, schakles	Anti-corrosive, lubricating and protecting grease	ETG 100, ETG 101, ETG 102, ETG 107, ETG 108
Long term protection and lubrication of wires and moving parts	Anti-corrosive, lubricating, protecting, film forming grease	ETG 101, ETG 102, ETG 107, ETG 108
Long term protection and lubrication of wire, wear reducing	Anti-corrosive, lubricating, adhesive, resistant film forming grease	ETG 102
Protection and lubrication of heat- exposed surfaces	Anti-corrosive, lubricating, heat-resistant film forming grease	ETG 103, ETG 105
Protection and lubrication of pressure exposed surfaces	Anti-corrosive, lubricating, pressure-resistant, film forming grease	ETG 104, ETG 105, ETG 109 ETG 105
Protection and lubrication of surfaces exposed to heat, pressure and wear	Anti-corrosive, lubricating, pressure,-heat- and wear resistant grease	216 160
Protection and lubrication of wire and surfaces on passenger vessels	Anti-corrosive, lubricating, film forming, white grease	ETG 106
Protection of metal parts during transportation	Anti-corrosive, semi-drying, flexible film, oil	ETO 004, ETO 005
Protection of metall parts inside or outside under roof	Anti-corrosive, semi-drying, flexible film, oil	ETO 004, ETO 005

