



ELECTROFILM  
ESPAÑOLA

INDUSTRIE NAVALE  
NAVAL INDUSTRY  
INDUSTRIA NAVAL



Tu lubricante de precisión

Votre partenaire  
lubrification industrielle

Solutions  
to your lubrication



**elesa**  
[www.elesalubricantes.com](http://www.elesalubricantes.com)  
902 123 453

## CABLES

### PRODUCT AND APPLICATION

**GREASE CHAIN 038 FLUID** Non-drop point synthetic grease with high content of graphite and molybdenum disulphide. Contains carrier agents. Excellent behaviour in dusty environments, as well as in the presence of salty water and acids. High adhesiveness. Open gears, cables, chains and guides with slow movements under heavy loads.

**GREASE LUBE WIRE 038** Excellent lubricating grease with HIGH ADHESIVITY and reinforced extreme pressure characteristics, resistant to water and high rust protection. It is clean, provides effective lubrication with a clean and neat appearance of the mechanisms. Recommended for open gears, subjected to the most severe working conditions in Cement and Quarry equipment, Public Works, Marine machinery and in harbours. Lowers cable, sheave and labour costs.

### COMPLIES WITH STANDARDS

- DIN 51825 OGX2N - 10

- DIN 51825 OGX1K - 20
- C.S. = 400 kg

## JOINTS, BOLTS AND BEARINGS

### PRODUCT AND APPLICATION

**GREASE MOLYT-EP** Grease with excellent lubricating characteristics and extreme pressure. Applicable in bearings and bearings subjected to high continuous loads, shock and vibration. Additive with molybdenum disulphide.

### COMPLIES WITH STANDARDS

- DIN 51825 KPFX2N - 20
- C.S. > 620 kg
- F.V. 500.000

# NAVAL INDUSTRY



**GREASE SUPERLIT-EP** Extreme High Pressure Grease, provides excellent protection for mechanisms. Applicable in bearings and bearings subjected to high continuous loads, shock and vibration.

- DIN 51825 KPX2N - 20
- C.S. = 400 kg
- F.V. 500.000

## TELESCOPIC ELEMENTS

### PRODUCT AND APPLICATION

**GREASE WIRE 038** Excellent lubricating grease with HIGH ADHESIVITY and reinforced extreme pressure characteristics, water resistant and anti-rust properties. Telescopic crane slides with long travels and heavy loads. Recommended for open gears, subjected to the most severe working conditions. Contains Molybdenum disulphide.

**GREASE LUBE WATER** Lubricating grease specially formulated to work on all types of mechanisms in the presence of water, washed or water-cooled, preserving at all times their stability and consistency, with E.P. (extreme pressure) and anti-wear properties. They lubricate and protect mechanisms, spherical bearings, bearings, sliding guides and tools subjected to heavy continuous and shock loads.

### COMPLIES WITH STANDARDS

- DIN 51825 OGXK - 10
- C.S. = 500 kg

- MIL-G-24139
- OTAN G-450
- DEF-STAN 91-28/1
- DIN 51825-KP2N-30
- ISO LXBDIB2

## OVERHEAD CRANE GEARBOXES

PRODUCT AND APPLICATION	COMPLIES WITH STANDARDS
<p><b>GREASE LITHIUM AGRO EP FILM</b> Extreme pressure lithium lubricating grease, particularly suitable for areas with high shock loads and heavy sliding movements. Very high resistance to water washout and high adhesion: Excellent sealing and rust protection effect. Very high load-carrying capacity and high shear stability. Ideal for mechanisms working at slow to medium speed.</p>	<ul style="list-style-type: none"> <li>• DIN 51825 KX2N-20</li> <li>• C.S. = 400 kg</li> <li>• FV. 300.000</li> </ul>

## CHAINS AND OPEN GEARS

PRODUCT AND APPLICATION	COMPLIES WITH STANDARDS
<p><b>GREASE CHAIN 038</b> Highly adhesive synthetic grease resistant to hot water, acids and bases. Contains graphite and molybdenum disulphide. Free of asphalt and heavy metals. Very good lubricity and load-carrying capacity. Dust repellent. Open gears, cables, chains and guides with slow movements under heavy loads.</p>	<ul style="list-style-type: none"> <li>• DIN 51825 OGX2N-10</li> </ul>

## CURVED-TOOTH COUPLINGS

PRODUCT AND APPLICATION	COMPLIES WITH STANDARDS
<p><b>GREASE WIRE 038</b> Excellent lubricating grease with HIGH ADHESION and enhanced extreme pressure characteristics, water-resistant and rust-proof. Recommended for open gears subject to the most severe working conditions. Contains molybdenum disulphide.</p>	<ul style="list-style-type: none"> <li>• DIN 51825 OGX1K-10</li> <li>• C.S. = 500 kg</li> </ul>



<p><b>GREASE LUBE WIRE 038</b> Excellent lubricating grease with HIGH PERFORMANCE and enhanced extreme-pressure characteristics, water-resistant and high anti-rust protection. Maximum protection against wear, corrosion and rust. Clean, it ensures effective lubrication with a clean and neat appearance of the mechanisms. Does not contain solid lubricants. Recommended for open gears subject to the most severe working conditions in cement and quarry equipment, public works, naval machinery and in ports.</p>	<ul style="list-style-type: none"> <li>• DIN 51825 OGX1K - 20</li> <li>• C.S. = 400 kg</li> </ul>
--	---

## BARREL COUPLINGS

PRODUCT AND APPLICATION	COMPLIES WITH STANDARDS
<p><b>GREASE LITHIUM AGRO EP FILM</b> Extreme-pressure lithium lubricating grease, particularly suitable for areas subject to high impact and heavy sliding movements. Very high resistance to water wash-off and strong adhesion: excellent sealing effect and protection against rust. Very high load-bearing capacity and high shear stability. Ideal for mechanisms operating at slow to medium speeds.</p>	<ul style="list-style-type: none"> <li>• DIN 51825 KPFX2N-20</li> <li>• C.S. = 400 kg</li> <li>• F.V. 300.000</li> </ul>

## REDUCERS

PRODUCT AND APPLICATION	COMPLIES WITH STANDARDS
<p><b>GEAR IND 46 EP PLUS</b> Extreme pressure (E.P.) oil suitable for mechanical gear transmissions. offers very good resistance to shock loads, such as those encountered in all types of gears. very good resistance to oxidation, corrosion and anti-foaming.</p> <p>-S Same with anti-stick-slip effect and high adhesiveness.</p>	<ul style="list-style-type: none"> <li>• U.S. Steel 224</li> <li>• AGMA 9005.D94</li> <li>• ISO 6743-Part. 6.</li> <li>• DIN 51.517 Part. 3</li> <li>• David Brown S1.53.101</li> </ul>
<p><b>GEAR IND 68 EP</b> Ability to withstand high shocks, such as those found in cylindrical, bevel and helical gears. Ability to provide a low coefficient of friction.</p>	<ul style="list-style-type: none"> <li>• ISO 3448 Y DIN 51519</li> <li>• ISO-L-CKC (46 a 680)</li> <li>• ISO 6743-Part. 6</li> <li>• U.S. Steel 224</li> <li>• AGMA 9005.E02.</li> </ul>
<p><b>GEAR AUTO PREMIUM PAO 75W110 API GL4</b> New generation of 100% synthetic oil, excellent lubrication in severe conditions of extreme temperatures and high loads.</p>	<ul style="list-style-type: none"> <li>• U.S. Steel 224</li> <li>• AGMA 9005.D94</li> <li>• DIN 51.517 Part 3</li> <li>• David Brown S1.53.101</li> </ul>

## NAVAL INDUSTRY



## HYDRAULIC UNITS

PRODUCT AND APPLICATION	COMPLIES WITH STANDARDS
<p><b>OIL BULL / HUILLE BULL HM</b> Developed for use in hydraulic systems and circuits with hydrostatic systems. High protection against wear. Its low freezing point makes it easy to work with in winter. Excellent filterability. Good performance in solenoid valves.</p>	<ul style="list-style-type: none"> <li>• AFNOR NFE 48603-HR</li> <li>• DIN 51524 Part. 2 et 3 (HLP et HVLP)</li> <li>• CINCINATY MILACRON P-68, 69, 70</li> <li>• DENISON HF-2 et HF-0</li> <li>• VICKERS M-2950-S/I-286-S</li> </ul>
<p><b>OIL BULL HM</b> Highly refined paraffinic mineral oils with a high percentage of antioxidant, anti-wear, anti-rust and anti-foam additives.</p>	
<p><b>OIL BULL HPLM / HM</b> Hydraulic systems, general lubrication and leakage lubrication.</p>	

## MOTOR

PRODUCT AND APPLICATION	COMPLIES WITH STANDARDS
<p><b>CLASSIC 15W40 E7 SHPD</b> Diesel and petrol engines, multigrade. Specially designed for lubricating high-speed, heavy-duty, long-stroke naturally-aspirated and turbocharged diesel engines.</p>	<ul style="list-style-type: none"> <li>• API-CG4/CF/SJ</li> <li>• ACEA A3/B3/B4/E3</li> <li>• MB-228.2/3</li> <li>• VOLVO-VDS</li> <li>• MAN-M3275</li> <li>• MACK-EO-L</li> </ul>

**CLASSIC 10W40 E7 SHPD** Latest generation engine oil. Particularly recommended for normally aspirated or turbocharged four-stroke diesel engines and for long drain periods, in accordance with the engine manufacturer's recommendations. Suitable for Euro-4, Euro-2 and Euro-3 engines. Greater environmental protection thanks to fewer oil changes and low oil volatility, which helps reduce smoke production. Saves up to 2% in fuel consumption.

- API CI-4/CH-4/CG4/CF-4/CF/SL
- ACEA E7-04/E5-02/E3-96#4/A3-02/B3-98#2/B4-02 • GLOBAL DHD-1
- MB 228.3 • VW 501/5
- MAN M3275 • VOLVO VDS-2, VDS-3
- MACK EO-M, EO-M plus
- CUMMINS 20071/76/ 78; 20072/77
- MTU Type2 • ALLISON C4

**HI TECH 10W40 E7 UHPD** For turbocharged diesel engines, particularly for heavy-duty vehicles operating under severe conditions with high loads and/or long periods between oil changes and low emissions. Recommended for EURO III and EURO IV engines not equipped with DPF. Suitable for vehicles meeting EURO IV emission standards (using SCR systems with EcoBlue and EPA 200). Can also be used in piston compressors and small petrol engines. Reduces wear during critical start-up periods, when the engine is still running at low temperature.

- API CI-4 ACEA E7- 08
- MB 228.3 MAN 3275
- VOLVO VDS - 3 RENAULT VI RLD-2
- MTU Type 2 MACK EO - M PLUS
- CAT ECF -1- a

## AUTOMATIC TRANSMISSIONS

### PRODUCT AND APPLICATION

**OIL FULL ATF** Automatic transmission fluid (ISO VG46) for very severe service. Torque converters, automatic transmissions, power steering.

**OIL FULL TO-4** Servo transmissions, differentials, torque converters, underwater brakes, gearboxes, clutches, etc.

### COMPLIES WITH STANDARDS

- GM DEXRON II D • CARTER/PILLARTO - 2
- MERCEDES BENZ 236.7 • ZF TE - ML - 09, 11, 14

- CATERPILLAR TO-4 • KOMATSU KES07.868.1 • ALLISON C4 (off road)

# NAVAL INDUSTRY



## REAR AXLES AND DIFFERENTIALS

### PRODUCT AND APPLICATION

**ENGRAUTO 80W90, 85W90, 85W140, 90W140** Lubrication of gears in the latest generation of gearboxes and differentials. Suitable for cylindrical, bevel, helical, worm and hypoid gears.

### COMPLIES WITH STANDARDS

- API GL5

## WET BRAKE SYSTEMS, HYDRAULICS AND GEARS

### PRODUCT AND APPLICATION

**AGRO UTTO 10W30** Multigrade oil for transmissions, hydraulic systems, wet brakes and industrial equipment.

**AGRO STOW 15W40** Multigrade oil for transmissions, hydraulic systems, wet brakes and engines.

### COMPLIES WITH STANDARDS

- ZF TE ML 03E/05E
- JOHN DEERE JDM 20 C/D

- ZF TE ML 03E/05E
- JOHN DEERE J27



## AEROSOL LUBRICANTS

### PRODUCT AND APPLICATION

**elasa® GREASE ARIS TF** Extreme Pressure Teflon grease for lubricating systems subjected to shocks. Teflon ensures machine protection even in the absence of lubrication. Bearings, ball bearings, spherical plain bearings, joints, cables and chains, open gears, splined shafts, universal joints, long and highly stressed rollers, etc. Working temperature -20 to 145°C (520c.c.).

**elasa® CHAIN 028** Highly fluid grease with anti-rust, anti-wear, EP and freezing point depressant additives and a high percentage of molybdenum disulphide. For use on CABLES, CHAINS and small and large bearings subject to high loads, such as gantry crane drive chains. High penetration, ideal for difficult access points. Operating temperature -30 to 90°C (520 c.c.).

**elasa® GREASE CHAIN 038** HIGHLY ADHESIVE SYNTHETIC GREASE RESISTANT TO HOT WATER WASHING, acids and alkalis. Contains graphite and molybdenum disulphide. Contains no asphalt or heavy metals. Very good lubricity and load-bearing capacity. Cables and chains, open gears and slow guides under heavy loads. Repels dust. Working temperature - 30 to 150 °C. (520 c.c.).

**elasa® GREASE ALBA (AER)** Fluid grease for CABLES AND CHAINS for EXTREME temperatures, with Teflon. Will not stain or sag. Complies with American standards USDA-H1 and FDA-21 CFR.178.3570. which regulate the characteristics of lubricants in accidental contact with food. Ideal for food transfer machines such as cereals. Operating temperature -50 to 250°C (520 c.c.).

**elasa® CLEAN K1 K3** Degreasing cleaner with high solvent power and high flash point, dielectric. Recommended for degreasing and cleaning machinery, electrical panels and various parts. Compatible with most polymeric materials (check results in contact with plastics) (520 c.c.).

## NAVAL INDUSTRY



**elasa® LUBE H1** Transparent, colourless silicone-coated non-stick fluid. High thermal stability and very difficult to burn. Very good dielectric properties. Low surface tension. Excellent resistance to oxidation and aggressive environments. Low freezing point. Resistant to shearing. Insoluble in water, alcohols and most organic materials. Insulates electrical contacts. Complies with FDA 21CFR 178.35 70 and NSF H-1 standards regulating the characteristics of lubricants in accidental contact with food. Operating temperature -55 to 230°C (650 c.c.).

**elasa® PROTECT METAL PLUS** Anti-rust protection and unlocking Anti-wetting lubricating oil with excellent results in saline and damp rooms. Antioxidant. High penetrability, EXCELLENT RELEASE, essential in corrosive environments such as the marine and salt industry. Protects finished parts and dies. Dielectric, operating temperature -50 to 50°C. Meets American standards USDA-H2 and MIL-L-63460-D, Apend 3, NATO Code S-758 (520 c.c. and 210 c.c.).

**elasa® AFLOJATODO SUPERSTAR 10** Excellent release fluid, anti-corrosion and wet film lubricant with very low residue levels. For additional lubrication and corrosion protection, we recommend elasa® NR (520 c.c.).

**elasa® COPPER PASTE HEAVY** Synthetic COPPER assembly and anti-cracking paste, prevents corrosion of threaded connections, studs, pins, etc. Protects electrical contacts, preventing arcing even at high voltages. Working temperature -30 to 1100°C (520 c.c.).

**elesa® ALUMINIUM PASTE** ALUMINIUM paste with two main functions:

1. anti-cracking in the assembly of threaded connections, e.g. foundation drill pipes; 2. paste for electrical contacts, protecting them from rust and arcing, thus extending contact life. Working temperature -20 to 700°C (520 c.c.).

## QUALITY AND PERFORMANCE + RESPECT FOR THE ENVIRONMENT

High-quality raw materials and balanced formulations result in high-quality products, great reliability and improved performance. elesa® aerosols contain no propellants that could damage the ozone layer. They do not contain chlorinated gases.

## COOLING SYSTEMS

### PRODUCT AND APPLICATION

**PURE ANTIFREEZE** It is designed for perfect performance in both summer and winter, with the ability to choose the degree of dilution according to the temperature at which the equipment will be working. Its formulation is free from nitrites, nitrates and silicates.

**ORGANIC NTIFREEZE 30% & 50%** Products for direct use

### COMPLIES WITH STANDARDS

- MB-BL 1-1
- FORD GLASSWARE TEST

## MAINTENANCE PRODUCTS

### PRODUCT AND APPLICATION

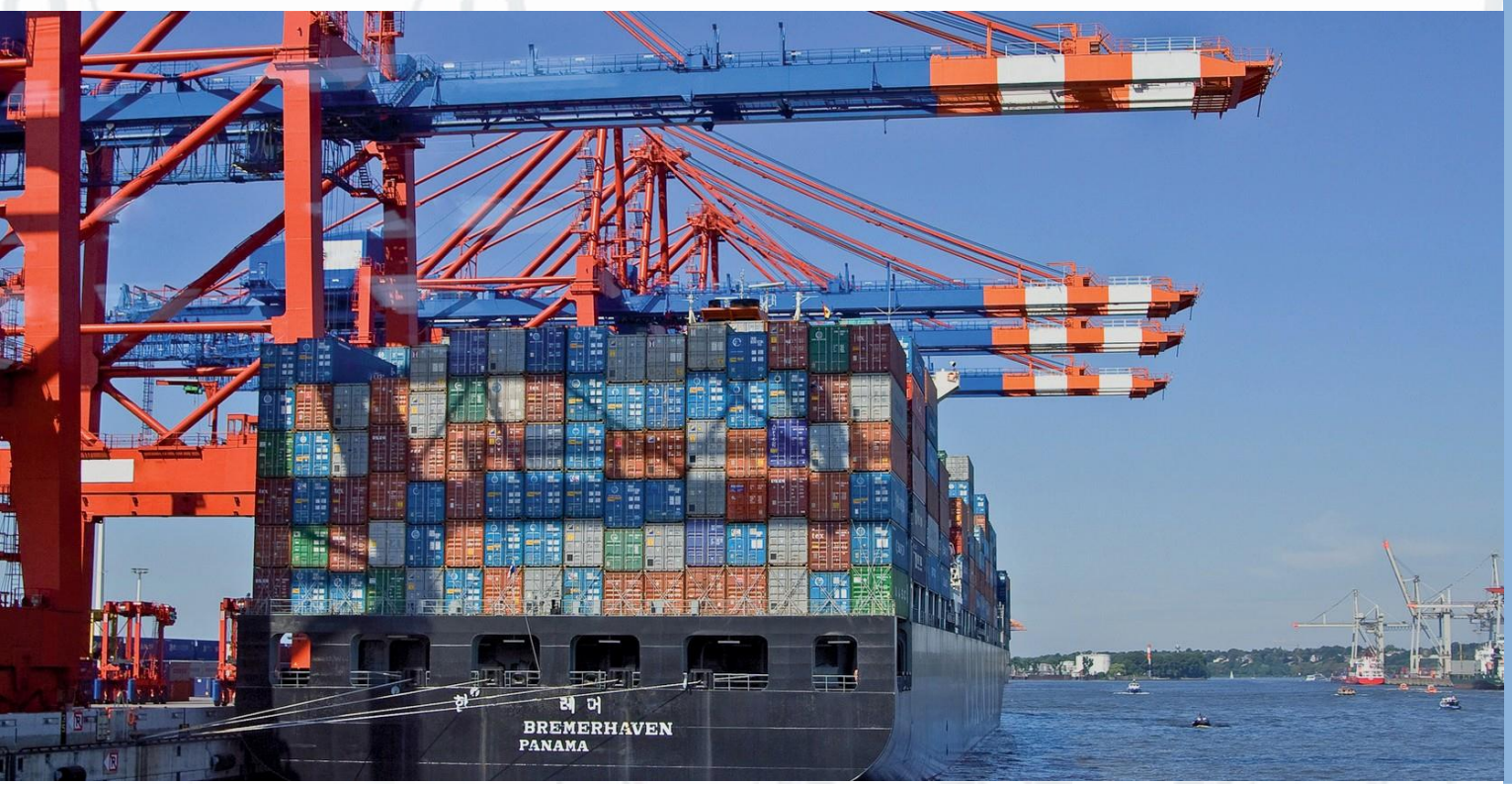
**CONTACT CLEANER** High flashpoint dielectric degreaser, ideal for cleaning machinery, process parts and metal surfaces prior to painting or phosphating. Highly effective for cleaning electrical panels, circuits, relays, electrical contacts and motors.

**PROTECT METAL PLUS** Anti-corrosive, non-stick wet film lubricant. Moisture displacer. Protects dies and finished parts, machinery, electrical equipment, etc. Passes salt chamber corrosion test.

**CLEAN BIO A4 A8** Universal aqueous alkaline degreaser with high wetting power. Designed for industrial cleaning of metal surfaces for degreasing prior to painting or passivation treatment. Does not attack rubber or plastics.

**elesa® CLEAN A3 OXIDE** Temporary deoxidiser and passivator for sheet metal prior to metal surface protection processes: painting, phosphating, etc.

**elesa® CLEAN GEL MANO PLUS** Handwash paste with trailing particles. Conditions and nourishes the skin.





[www.elesalubricantes.com](http://www.elesalubricantes.com)



ALICANTE • ASTURIAS • BADAJOZ • BARCELONA • BILBAO • BURGOS • CACERES • CADIZ • GIRONA • LA RIOJA • LLEIDA  
MADRID • MALAGA • NAVARRA • PONTEVEDRA • SEVILLA • TARRAGONA • TOLEDO • VALENCIA • ZARAGOZA • VALLADOLID



**MADRID**  
Ctra. Puente de Arganda a Chinchón, km. 2  
**902 123 453**  
[www.elesalubricantes.com](http://www.elesalubricantes.com)

