

# BRADOL

lubricante  
de alto  
rendimiento

**Brugarolas**





BRADOL portfolio of 4-stroke motor includes a wide range of mineral, synthetic and multifunctional oils. These oils have been developed for all kind of fuel, atmospheric and turbocharged engines. Strictly, formulated products with best base oils available. Long life oils, resistant to extreme conditions, suitable for the modern trucks and even high competition vehicles.



## MINERAL OIL

- **BRADOL SAE 30 HD**  
Monograde high quality oil for gasoline and light diesel. Special lubrication of air compressors reciprocating type.  
Level API CC/SD. MIL-L-2104-B. SAE 30.
- **BRADOL SAE 40 HD**  
Monograde high quality oil for gasoline and light diesel. Special lubrication of air compressors reciprocating type.  
Level API CC/SD. MIL-L-2104-B. SAE 40.
- **BRADOL SERIE 3ª SAE 30**  
Monograde oil made with highly refined base oils for gasoline engines and all type of diesel. Special additives.  
Level API CD/CF/SF. CATERPILLAR TO-2. ALLISON C-3. SAE 30.
- **BRADOL SERIE 3ª SAE 40**  
Monograde oil made with highly refined base oils for gasoline engines and all type of diesel. Special additives.  
Level API CD/CF/SF. CATERPILLAR TO-2. ALLISON C-3. SAE 40.
- **BRADOL 15W40 DIESEL**  
Mineral based multigrade oil specially formulated for diesel engines and atmospheric and turbocharged, gasoline and service level SF  
Level API CD/CF/SF. ALLISON C-3. CATERPILLAR TO-2. MB p.228.1 (q).
- **BRADOL MULTIGRADO SAE 20W40**  
Mineral based multigrade oil specially formulated for diesel and gasoline atmospheric and turbocharged.  
Level API CG-4/CF/SJ. ACEA A3, B4, B3, E2. MB p.228.1. VW 505.00 (q). MAN 271. VOLVO VDS. MACK EO-L. MTU Type 1 (q).



- **BRADOL SUPER-MULTIGRADO SAE 20W50**  
Oil super-multigrade high viscosity mineral base specially formulated to atmospheric gas and diesel engines and turbocharged engines.  
Level API CG-4/CF/SJ. ACEA A3, B4, B3, E2. MB p.228.1. VW 505.00 (q). MAN 271. VOLVO VDS. MACK EO-L. MTU Type 1 (q).
- **BRADOL MULTIGRADO SHPD SAE 15W40**  
Mineral based multigrade oil specially formulated and reinforced for turbocharged diesel engines. Also for gasoline. High performance.  
Level API CG-4/CF/SJ. ACEA A3, B4, E3. MB 228.3. VW 505.00 (q). MAN 3275. VOLVO VDS-2. MACK EO-L. MTU Type 2 (q).
- **BRADOL EUROTRUCK PLUS SAE 15W40**  
Special multigrade oil for highly turbocharged diesel engines or atmospheric. Excellent lubricant capacity and long life  
Level API CG-4/CF/SJ. ACEA A3, B4, E3, E2. MB p.228.1. VW 505.00 (q). MAN 271. VOLVO VDS. MACK EO-L. MTU Type 1 (q).

- **BRADOL KING SAE 15W40**  
Multigrade high-tech turbocharged heavy diesel engines. Service high performance ACEA E-7. Very long life. Maximum internal cleanliness of engine.  
Level API CI-4/CF/SL. ACEA E7, E5, B4. MB p.228.3. MAN 3275. VOLVO VDS-3. MACK EO-M Plus. CATERPILLAR ECF-1. RENAULT VI RLD. MTU Type 2.
- **BRADOL AUTOLEO 15W40**  
Mineral based multigrade oil specially formulated for gasoline engines atmospheric or turbocharged. Also for diesel engines.  
Level API SL/CF. ACEA A3, B3. MB p.229.1 VW 505.00/501-01 (q).
- **BRADOL AUTOLEO 20W50**  
Mineral based multigrade oil of high viscosity specially formulated for engine gasoline or diesel atmospheric or turbocharged  
Level API SL/CF. ACEA A3, B3. MB p.229.1 VW 505.00/501-01 (q).





## SYNTHETIC OIL

### •BRADOL SYNT 4-T

Multigrade oil based high quality synthetic base oil for gasoline and diesel. Wide range of viscosity: SAE 15W50. Wide range of viscosity special for competition. Level API SG/CF. ACEA E2 (q), MB p.228.0 (q).

### •BRADOL AUTOLEO XHP 10W40

Synthetic base oil specially formulated for gasoline engines atmospheric or turbocharged. Also for diesel engines.

Level API SL/CF. ACEA A3, B3. MB p.229.1. VW 500.00 / 505.00 (q).

### •BRADOL AUTOLEO 10W40 LONG LIFE

Synthetic multigrade oil very high protection for heavy diesel vehicles with a special package of additives. High performance and long life.

Level API CF. ACEA E4, MB p.228.5 (q). MAN M3277 (q). MTU Type 3 (q). MACK EO-L. VOLVO VDS-2.

### •BRADOL AUTOLEO COMPETICIÓN 5W40 VTD

Synthetic oil for all engines even under severe regime. Reductions in fuel consumption in gasoline engines.

Level API SJ/CF. ACEA A3, B3. MB p.229.1. VW 502.00 / 505.00 / 505.01.

### •BRADOL AUTOLEO RACING 5W40

Fully synthetic oil for all engines even under very severe regime, also recommended for competition. Maximum performance lubricant.

Level API SL/CF. ACEA A3, B3. B4. MB p.229.3. VW 502.00 / 505.00 PORCHE. BMW LONGLIFE 98. GM LONGLIFE B-025.

### •BRADOL AUTOLEO VRX 5W30

Fully synthetic oil of technology for gasoline and light diesel, including those equipped with systems for treating exhaust gases. Indicated specially for the new TDI and FSI.

Level ACEA A3/B4-04. ACEA C3. VW 504.00 / 507.00. MB p.229.31. MB 229.51. BMW LONGLIFE 04.

### •BRADOL EUROTRUCK 10W40 XHPD

Fully synthetic lubricant high-tech turbocharged diesel engines in severe service, working at high loads and extended oil change periods. Low ash content. Specially formulated for engines according to EURO norms and system for treating exhaust gases.

Level ACEA E7, E6, E4. RENAULT RLD / RVI / RXD. MB p.228.5. MB p. 228.51. MTU TYPE 3. MAN M3477 y M3277RA. DAF HP-2 (q). VOLVO VDS-3





Since the dawn of motorcycle racing in Spain, in the late 1920's until today, the marks Brugarolas: AGUILA and BRADOL have been in the world of motorcycle. Oils for daily use, which was developed according to our experience in the competition. The highest quality in both 2-stroke, for any type of motorcycle, superbike, speed, enduro, motocross, super-motard, custom, trial, moped, scooter, ATV, or jet ski.



## 2-STROKE OILS

### •BRADOL 2T

Synthetic base oil for all types of motorcycles with 2-strokes engine. To grease pre-mix or injection. Increases power. Excellent combustion. Easy starting. Eliminate carbon residues. Low smoke emission. The best quality at the best price. Dosage at 2%. Also Available in red color. Meet standards ASTM TSC-3 and API-TC.

### •BRADOL PLUS

Synthetic oil for all 2-stroke engines. Superior performance. Specially for two-stroke engines, both air cooled as by water. Recommended for cultivators, chain saws, lawn mower, motor hoes, etc. Dosage from 1% to 3%. Standards ASTM TSC-3 and API-TC.

### •BRADOL 10

Fully synthetic oil of very high quality for all types or motorcycles with engine 2-stroke, both racing and street. Excellent performance. To grease pre-mix or injection. Excellent engine performance. More power and better starting. Reduce the friction coefficient of moving parts. It produces neither carbon deposits nor rubbers. Excellent anti-corrosion and anti-rust. Dosage from 1.5% to 2.5%. Meets ASTM TSC-3 and API-TC.

### •BRADOL JEREZ

Fully synthetic oil developed in the World Motorcycling Championship. Quality Competition. High performance. Maximum lubrication for all engine parts. For motors of all types of motorcycles and karts in which you want to achieve maximum benefits. The low dosage and its perfect miscibility with gasoline, make application affordable, comfortable and easy. Meets API-TC PREMIUM and ASTM TSC-3.

### •BRADOL NAUTIC

Lubricating oil specially formulated for all types of 2-stroke outboard and jet skis. Great anti-corrosion and anti-rust capacity. Contain special additives to withstand the harsh 2T engine in nautical applications. Dosage varies according to engine manufacturer's recommendations. Meets standards NMMA: TC-W3.

### •BRADOL PADDOCK

Synthetic lubricant specially developed for the lubrication by separate system or direct mixing in road bikes, ATVs and scooters. His good performance of lubrication enable to use economic dosages. Reduce the level of smoke emission. Levels of specification: ISO E-GD (GLOBAL GD). JASO FC.

### •BRADOL 1000

Synthetic lubricant for 2-stroke engines with separate lubrication system or "premix". High performance. Low smoke emission. Special for scooters. Blue-green color. Dosage levels depend on the benefits to be achieved and the cubic capacity. Exceeds the levels of specifications: API TC.







## 4-STROKE

- **BRADOL SUPERMOTO SGM 20W50**  
Mineral base oil specially formulated for using in gasoline engines 4-stroke motorcycles. High viscosity SAE 20W50. Excellent sealing of the piston. Level API SG.
- **BRADOL SUPERMOTO SLX 5W40**  
Fully synthetic oil for motorcycle 4-stroke and powerful scooters. Very low minimum starting temperature. High stability at high temperature. Specification levels API SJ, ACEAA3.
- **BRADOL SUPERMOTO SGX 15W50**  
Synthetic oil specially formulated for use in gasoline engines for 4 stroke motorcycles. Special for competition. Wide range of viscosity SAE 15W50. Very high thermal resistance. Level API SG.
- **BRADOL SUPERMOTO MAX 10W40**  
Synthetic oil specially developed for the lubrication of gasoline engines 4-stroke motorcycles. Viscosity SAE 10W40. Due to its characteristics meet the requirements of most European, American and Japanese manufacturers. Meets API SG. JASO MA. JASO MA2.

## LUBRICANT OILS

- **BRADOL TRANSLUBE 10W30**  
Special lubricant for gearboxes of all types of 2-strokes motorcycles with wet clutch. Specially formulated for motorcycle enduro and trial. Semi-synthetic formula. High viscosity index SAE 10W30.
- **BRADOL GEAR**  
Special lubricant for gearboxes of mopeds. Excellent temperature stability. High anti-corrosive capacity. Mineral base oil. SAE 30.
- **FLUID DRIVE DX-II**  
Low viscosity fluid lubricant for gearboxes with wet clutch motorcycle. SAE 10. ATF DX-II category.
- **BRADOL FILTROS**  
Special oil for impregnation of filters of admission in mountain motorbikes, cross motorbikes, enduro trails, and quads. Tacky base and very adherent. Blue color.



## FORK OILS

- **BRADOL HORQUILLAS 5W**  
Special fluid for front shock absorbers type telescopic fork. Synthetic. Very high flow. Special when you want maximum flexibility in front suspension. Ideal for motocross.
- **BRADOL HORQUILLAS SAE-5**  
Fluid for shock absorbers type front telescopic fork. Low viscosity. Special cold temperatures. High elasticity of the suspension.
- **BRADOL HORQUILLAS SAE-10**  
Fluid for shock absorbers type front telescopic fork motorcycle. Intermediate viscosity. Intermediate elasticity of the suspension.
- **BRADOL HORQUILLAS SAE-15**  
Fluid for shock absorbers type front telescopic fork motorcycle. High viscosity. Low elasticity of the suspension. Special when you want minimum flexibility in front suspension.



For use in all types of heavy and light machinery, both in public works and agriculture, BRADOL develops a comprehensive range of oils: hydraulic fluids, gear oils, general lubrication, compressors and transmissions. Resistant to severe working conditions. BRADOL products are formulated with additives and bases of greater prestige. Made with the most advanced technology available in the world of lubrication.



## HIDRAULIC FLUIDS

### •HIDRAULIC B

Extensive range of high quality oils for control system and hydraulic power transmissions. Available in ISO VG 10, 15, 22, 32, 46, 68, 100, 150 and 320. Fulfill the requirements of ISO 6743 standards HL category, and DIN 51524 Part 1.

### •FLUID DRIVE HM

Range of highly refined mineral based hydraulic oils for severe working conditions. Improved additive package containing anti-wear. Available from the viscosity ISO VG-15 to ISO VG-100. Conform to ISO 6743 category HM, and DIN 51524 Part 2 HLP category.

### •FLUID DRIVE B

Special highly refined hydraulic oils range for conditions of high variation in temperature. Viscosity Index 120. Available in ISO VG-22, 32, 46, and 68. Red color. Fulfill ISO 6743 standard HM category, and DIN 5124 Part 2 HLP category.

### •BESLUX DIVOL HV

Superior range of hydraulic oils which contain very high performance additives. They are suitable for heavy equipment and wide temperature variations. Viscosity index 145. Available in ISO VG-22, 32, 46, 68 and 100. Meets ISO 6743 standard category HV, and DIN 51524 Part 3 HVP/L category.

### •BESLUX HIDRO HV

Outstanding hydraulic oils for severe conditions, extreme pressures and very strong temperature variations. Special elevators and platforms. Viscosity index 180. Available in ISO VG-32, 46 and 68. Exceeds ISO 6743 HV category.

### •HIDRAULIC CF

Hydraulic oil formulated according to the requirements of anti-wear and extreme pressure for Caterpillar machinery old. ISO VG-46.

### •HIDRAULIC TP

Anti-wear hydraulic fluid of high viscosity index specially formulated to Poclain equipment. Blue color. ISO VG-46. Viscosity Index 150. Meets POCLAIN CASE-P 110 32-03J.

### •BRADOL SAE 10W HD

Detergent hydraulic oil high thermal stability for control circuits of public works equipment and agricultural machinery. Viscosity SAE 10W. Category API CC/SD.

### •NET GUM

Special cleaning fluid for hydraulic circuits mineral oil-based. Very high detergency. High fluidity for easy penetration of dirt residues present in the circuit. Contains no solvents. ISO VG-22.

## GEAR OILS

### •REVERSIBLE

Basic range of mineral base oil for gearboxes. Contain extreme pressure additives. Available in SAE 80, SAE 90 and SAE 140. API GL-3.

### •EXTRA GEAR E.P.

Range of monograde mineral base oils with special additives: anti-wear and extreme pressure E.P. Available in SAE 80W, SAE 90 and SAE 140. For gearboxes and other mechanisms that require the level of API GL-4.

### •SUPER EXTRA GEAR E.P.

Upper range of mineral based multigrade oils. Excellent anti-wear and extreme pressure capacity. Available in SAE 80W, SAE 75W90, SAE 80W90 and SAE 85W140. For gearboxes and other mechanisms that require the level of API GL-5

### •SUPER EXTRA GEAR 75W80W E.P.

Semi-synthetic multigrade base oil specially formulated according to the requirements of PSA(Peugeot-Citroën) for the lubrication of manual gearboxes of its vehicles. Viscosity 75W80. Level API GL-5.



### •SUPER EXTRA GEAR SAE 80W 90LS

Oil specially formulated for proper lubrication of Limited Slip Differentials(LSD) on which require Limited-Slip properties ("Limited Slip"). API GL-5. Meets MIL L-2105-B.

### •BESLUX TRANSXALE SAE 75W 90 LSX

Universal oil fully synthetic, high technology for all types of transmissions, axles, and differentials in passenger cars, trucks, industrial vehicles and equipment for high performance. Exceeds standards and specifications: API MT-1, API GL-5, API GL-4 MIL-PRF-2105 E (MIL-L-2105 E) ZF TE ML-01/02/05/07/08 MAN 341, 342, SCANIA, VOLVO 97312, MACK G0-H/S (q), MACK G0-J (q).

## TRANSMISSION OILS

### •HIDRAULIC JD

Multi-functional lubricating oil, type UTTO (Universal Tractor Transmissions Oil) is hydraulic, transmission and gear oil SAE 10W30, ISO VG-68. Meets following specifications: John Deere J20C y J20D. Ford M2C, 134D and M2C 86C. Massey Ferguson M1135, M1141 y M1143. Allison C-3 and Allison C-4. Caterpillar TO-2. White Farm Q-1826. API GL-4





#### •BRADOL AGRITRAC PLUS

Multi-functional lubricating oil, type UTTO (Universal Tractor Transmission Oil). Meets needs of hydraulic, transmissions, gears and brakes in oil bath in farm machinery and public works. SAE 30, ISO VG-100. Meets following specifications: MF 1135. Allison C3, Caterpillar TO-2, Ford M2C 86-B/C, Deutz-Allis, Kubota, Renault, Landini, Fiat, Lamborghini (q). API GL-4 (q)

#### •TRANSMISION FLUID

Oil for automatic transmissions, torque converters, and servo. ATF Type. ISO VG-46. Red color. Meets the specification level Allison C-3.

#### •FLUID DRIVE DX II

Oil for automatic transmissions, torque converters, automatic gearboxes and power steering. ATF Type. Also suitable for gearboxes of motocross with clutch in oil bath. ISO VG-32. Red color. Meets specification General Motors Dexron II.

#### •FLUID DRIVE DX III

Synthetic oil suitable for use in torque converters, automatic transmissions and power steering. Recommended in force torque converters of public works. ATF type of high performance. ISO VG-32. Red color. Exceeds following specifications: Dexron III de General Motors. Ford Mercon M-931004. Allison C-4. Mercedes Benz 236.5, 236.10. Man 339Z, V-1. VOITH G 607.

#### •BRADOL MF TO-4

Range of oils type TDTO ("Transmissions and Drive Train Oil") special transmissions, final drives, torque converters, servo drives, clutches, brakes, and other elements such as crowns and spreads. Formulated according to the exacting standards of Caterpillar TO-4. Available in SAE 10W, SAE 30 y SAE 50. Meets API CF. Caterpillar TO-4. Allison C-4. KOMATSU MICRO CLUTCH.



#### •BRADOL MULTIFUNCIONAL

Range of oils type STOU ("Super Tractor Oil Universal") agriculture machinery and public works such as engine lubricant, gearbox, transmission, wet brakes and hydraulic fluid. Available in viscosities SAE 10W30 and SAE 15W40. Meets API CD/SE. MIL-L-2104 D. API GL-4. Allison C-3. Caterpillar TO-2. John Deere J-20 A. Ford M2C-159-B. ISO-HM.

### OILS FOR GENERAL GREASING

#### •DENSOLINA

Range of highly refined mineral oils for lubrication of all types of general machinery. Available in 4 viscosities. R: SAE-10, ISO 46. RR: SAE-20, ISO 68. RRR: SAE-30, ISO 100. RRRR: SAE-40, ISO 150.

#### •DENSOLINA AAA/XP

Mineral oil with multifunctional additives. Extreme pressure. Good resistance to aging, oxidation and sludge formation. SAE 30. For general lubrication, compressors, drives, gearboxes, etc.

#### •BRADOL SIERRAS

Oil formulated to lubricate chains with blades, cutting saws. High cooling power, anti-corrosive and protective.

#### •HAMMER

Range of lubricants specially formulated for the lubrication of pneumatic hammers and drilling equipment. Available in ISO VG-100 y VG-220.

#### •BESLUX ATOX

Lubricating oils semi-synthetic "food grade". Suitable for use in places where may take place incidental food contact. NSF Certified Category H-1. For general lubrication, hydraulics, chains at moderate temperatures, vacuum pumps, pneumatic and lubrication. Available ISO VG-22, 32, 46, 68 and 100.

#### •BESLUX AIRLUBE

Full range of special lubricants highly refined mineral base for air compressors, both rotative and alternative. Application in compressors type screw, vane and piston. Available in ISO VG-46, 68, 100 and 150. Category VDL according to DIN 51506.

#### •BESLUX CAMIN WR

Special oils for chains. Very high adhesion and excellent anti-corrosion capacity. Special for chains in car wash. Available ISO VG-150 and 460.



BRUGAROLAS, the first Spanish manufacturer of greases, has the widest range of products available in the market. From traditional calcium, lithium, sodium and aluminium to modern complex greases, poly-urea, calcium sulphonate and PFPE. We are able to solve any lubrication problem with the right product for each application. The most advanced laboratories of grease and the most experienced technicians at your service. Contact us.



## GREASES

- **G. AGUILA A-410 / A-420**  
Calcium grease very unctuous and water-resistant and moisture-resistant. General lubrication of joints and chassis. NLGI-1 (A-410) and NLGI-2 (A-420)
- **G. AGUILA JET-70**  
Semi-synthetic grease resistant to both hot and cold water and salt water. Excellent stability to oxidation and mechanical work. Very suitable for the lubrication of all types of bearing and mechanisms under the action of water and steam. Available NLGI-1, 2 and 3.
- **G. AGUILA N° 90**  
Lithium grease multipurpose, good drop point. Very adherent. For transport machinery, agriculture, transmissions and general use of high pressure. Available at consistencies NLGI-1, 2 and 3.
- **G. AGUILA N° 80 / N° 95**  
Lithium greases, high quality for ball, rollers and needles bearings. High oxidation and thermal stability. Service temperature from -30 °C to 120 °C SKF certifications, Citroën, Nissan, and others. NLGI-2 (N° 80) and NLGI-3 (N°95).
- **G. AGUILA N° 70 EP**  
Lithium greases of extreme pressure for all types of bearings working at very high loads. Very good resistance to water. Mineral base oils. Available in NLGI-0, 1, 2 and 3.
- **G. AGUILA N° 850 EP**  
Lithium greases of extreme pressure. Excellent benefits. Special for high loads. Very stable to oxidation. Lower consistencies and versions "EC" are formulated specifically for centralized lubrication circuits of trucks and machinery for public works. Wide range of NLGI consistencies: from 000, 00, 0, 1, 2 and 3. Versions EP-00 EC and EP-000 EC.
- **G. AGUILA N° 782**  
Semi-fluid lithium grease, special additives against oxidation, corrosion and wear. Specially formulated for the lubrication of the cotton harvesters. Meets 08511 International Harvesters norm.
- **G. A. BESMOLY L-220**  
Lithium grease of high performance based on molybdenum disulphide. Specially formulated for lubrication of bearings at low - medium speeds and all kinds of mechanisms under temperature and high loads. Special for electrical brakes, bushes and heavy machinery. Available in NLGI-1, 2 and 3.
- **G. A. BESMOLY CE**  
Lithium grease with molybdenum disulphide. General purpose grease where is required solid lubricants for high resistance to mechanical loads. Resistant to severe working conditions. NLGI-2.
- **G. A. BESMOLY EH**  
Special lithium grease with a high content of Molybdenum Disulfide and formulated with high viscosity base oil. Special super-heavy machinery and mechanisms very overloaded. High level of EP additives. Available in NLGI Grade-1 and 2.
- **G. A. PLEX**  
Lithium complex greases, very high drop point. Anti-friction and EP additives. Ideal for high temperature applications. Excellent performance against mechanical loads. Very good resistance to water. Available in NLGI-1, 2 and 3.





## GREASES

### •G. A. PLEX-2 BT

Lithium complex grease specially developed to work at very low temperature. High resistance to mechanical stress. Extensive service temperature: from -35 °C to +150 °C. NLGI-2.

### •G. A. PLEX-2/3 AZUL

Lithium complex grease formulated specially for maximum performance in general lubrication in automotive industry, as well as public works machinery and equipment of agriculture. Long life. Very good heat resistance. Wide range of service temperature: -30 °C to +150 °C. Special Grade NLGI-2/3.

### •G. AGUILA GR-47

Vaseline particularly recommended for battery terminals and protection of parts and switches. Approved by battery manufacturers.

### •G. BESLUX PLEX H-2

Grease specially formulated for heavy public works machinery and earthmoving. Resistant to very high loads and high temperatures. Extreme pressure. Resistance against water and moisture. Good behaviour to stocks loads. Maximum adhesion and lubricity. Available in different consistencies.

### •G. BRADOL GRUSIL

Synthetic grease for high technology based on speciality silicones, formulated for lubrication of telescopic systems of cranes. High content in PTFE. Approved by Krupp.

### •G. BRADOL ANTIGARROTANTE PASTE

Range of greases with high copper content. Excellent as anti-seize at very high temperature. For the lubrication of the drilling hammers or public works. Color bright copper. Available in two consistencies NLGI-1 and 2.

### •G. BRADOL HAMMER GREASE CU12

Special anti-seize grease based on copper, other solid lubricants with high performance. Good pumpability and high unctuousity. Recommended for hammers, bolts, threaded joints, worm gears and hinges. Dark copperish color.

### •G. BESLUX GFG

Inorganic grease. High adherence and high load capacity. High content of graphite. Open special gear mixers, cranes, diggers, etc.. Resistant to high temperatures.

### •G. BESLUX KBL

Grease with high penetrating power, anti-friction and EP. It contains molybdenum disulfide. Specially suitable for the protection and lubrication of all kind of cables. Available spray format under the name BESLUX CABLES.

### •G. BESLUX CAPLEX M ATOX

Range of greases approved by NSF H-1 for use in processing installations of food products. Non-toxic multipurpose, category "food grade". For bearings of all types, joints, chains and mechanisms in general. Available in consistencies NLGI-000, 00, 0 1 and 2.

### •G. BESLUX KOMPLEX M

Special inorganic greases for long life in harvester combs. Very high performance. Resistant to high loads, high temperatures and the presence of water. Available in NLGI 1, 2 and intermediate 1-2.







## SPRAYS

High-tech spray "10 in 1". It penetrates through rust and dirt, quickly. Releasing all kinds of seized mechanisms. It makes unscrewing of nuts and bolts easier. Lubricate locks, handles and door hinges and all sorts of mechanisms. It protects against the influence of humidity and bad weather, it prevents the formation of rust and displaces moisture of electrical components. The best products for the automotive, motorcycle, truck, heavy machinery, construction cranes and armory.

High penetration fluid grease for chains specially motorcycles. Lithium-calcium soap, semi-synthetic base oil. Provides a thin film, persistent and very adherent, which ensures minimum wear. Pale yellow.

Special smooth white grease for motorcycle chains with gaskets. Synthetic product with high PTFE content. Provides thin, persistent, and very adherent film of high-performance lubricant to minimize the amount of dirt and dust in the chain.

Special product for emergency repair of punctures in car tires, motorcycles and bicycles. Both tire with tube as "tubeless". Formulated with "Liquid Rubber" is the solution for emergency temporary tire repair punctured in a few minutes without having to change the wheel.

Starts easily all types of diesel and gasoline engines. Special to avoid difficulties of starting in cold temperatures in engines with difficulties. It does not produce ash or residue inside the cylinders.

High technology for maximum performance loosening nuts and seized mechanisms. Professional quality essential in repair of machinery for public works, trucks, cars, motorcycles, boating, hunting, fishing, agriculture and forest. Dark color: it contains molybdenum disulfide for using prior to screw to prevent seizing.

Water repellent spray. Provides an ultra-thin film that protects against moisture, displacing water from the treated surface. Prevents corrosion of parts. Large capacity to avoid the appearance of rust

Polishing of surfaces specially formulated for car and motorcycle. Clean and leave shiny dashboards, moldings and other decorative plastic parts inside vehicles. It is likewise suitable for polishing of the bodywork both cars and bikes, it keeps the brightness by longer. Prevents adhesion of dust and dirt.

Specially selected blend of solvents for degreasing and cleaning all types of metal parts leaving no residue. Excellent cleaner for brake fluids, greases, oils and other dirtiness. Clean and degrease effectively disc brakes, carburetors, electrical contacts, and parts in general.

Degreaser formulated with a blend of aliphatic solvents and special emulsifiers. Removes greases, oils and general dirt that soaks the piece. Once sprayed the product, it is easily removed with water.

## REFRIGERANTS/ ANTIFREEZES

100% Antifreeze concentrate for dilution. Organic. Do not use pure. Dilute with distilled water, deionized, or low salt until the desired ratio.

Antifreeze refrigerant of high organic concentration and direct use. Suitable for all kind of vehicles. Total protection 12 metals. Practical protection: -39°C. Boiling point: +136 °C (a 138 kPa). Fulfill UNE 26-361, SAE J814, SAE J1034, BS 6580, USA QAS48 and JIS2234.

Antifreeze refrigerant of high organic concentration and direct use. Long life. Practical protection: -39 °C. Boiling point: +136 °C (a 138 kPa). Fulfill the following standards: UNE 26-361, SAE J1034, BS 6580, ASTM D 3306, VW TL-774 C, MB 325.0, BMW N600 69.0, SAAB 6901 599, GM 6277M, RENAULT 41-01-001 C. MAN 324. VOLVO 1286083.

Antifreeze coolant at 40%, organic for direct use. Suitable for all types of vehicles. Total protection 12 metals. Practical protection: -24 °C. Boiling point: +134 °C (a 138 kPa). Fulfill UNE 26-361, SAE J814, SAE J1034, BS 6580, USA OA548 and JIS2234





#### •BRADOL ANTICONGELANTE 30%

Antifreeze coolant at 30%, organic for direct use. Suitable for all types of vehicles. Total protection 12 metals. Practical protection: -19 °C. Boiling point: +132 °C (a 138 kPa). Fulfill UNE 26-361, SAE J814, SAE J1034, BS 6580, USA OA548 and JIS2234.

#### •BRADOL ANTICONGELANTE 20%

Antifreeze coolant at 20%, organic for direct use. Suitable for all types of vehicles. Total protection 12 metals. Practical protection: -10 °C. Boiling point: +132 °C (a 138 kPa). Fulfill UNE 26-361, SAE J814, SAE J1034, BS 6580, USA OA548 and JIS2234.

#### •BRADOL ANTICONGELANTE 10%

Antifreeze coolant at 10%, organic for direct use. Suitable for all types of vehicles. Total protection 12 metals. Practical protection: -5 °C. Boiling point: +128 °C (a 138 kPa). Fulfill UNE 26-361, SAE J814, SAE J1034, BS 6580, USA OA548 and JIS2234.

#### •BRADOL ZERO RACING COOLANT

Fluid of maximum cooling capacity. For cars and motorcycles, and in general when it desired maximum engine cooling. Highly anti-corrosive capacity. Developed and tested in high competition: national resistance tests, motorcycling world championship, auto racing national championships and European Cups. Freezing point: 0 °C. Boiling point: +112 °C (138 kPa).

#### •BRADOL DOT-5

Brake fluid based on ethers of poly-ethylene glycol, heavy duty. Minimum boiling point 260 °C. Special for high performance vehicles and racing cars, equipped with modern braking systems. Excellent behaviour at low temperatures. Meets DOT-5.1 according to the U.S.F.M.V.S.S number 116. UNE 26-409-92 class A, as certified by INTA (National Institute of Aerospace Technology) INTA 157113D. SAE J-1703. ISO 4925.

#### •BRADOL LHM

Fluid for hydraulic systems, suspension and brakes systems, based on hydrocarbon. Green color. Formulation according to LHM and according to quality standard UNE 26-090-88.

#### •BRADOL AD-BLUE

Fluid for contamination control. Formulated as an aqueous solution of urea, specially for diesel engines SCR (Selective Catalytic Reduction). Fulfill AUS 32 DIN 70070.

#### •BRADOGEL

Cream hand cleaner through abrasive action. The best option for the garages, it removes greases from the hands of the mechanic, protecting the skin. Solids cleaners: 5%. Pearl white color.

#### •BRALIM

Gel hand degreaser specifically indicated for hand washing in garages. pH neutral slightly acidic, equal to the skin. Orange color.

#### •BRADOL LIMPIA PARABRISAS

Liquid for wiper system in all types of cars, trucks and special vehicles. It is a product ready to use.

#### •BRADOL LIMPIA FRENOS

Excellent cleaner cinders, grease, oil and dirt, specially in brakes discs. A blend of special evaporating solvents, developed to degrease and clean all metal parts leaving no residue. Available in spray under reference BRADOL TOP CLEANER.



#### •DESENGRAS HDK

High performance degreaser based on aliphatic solvents and emulsifiers. Can used by spray, dip or brush both pure and diluted in water. Remove grease, oil and dirt in general. It is removed with water. Very useful for cleaning engine. Available spray under reference BRADOL LIMPIA MOTORES.

#### •DESENGRAS ECO-20

Biodegradable degreaser of security. Emulsifiable in water. Useful for cleaning pieces. Good performance. Pleasant smell. Low environmental impact.

#### •DESINCRUS

Very strong decaling with high penetrating power. Cleaning dry concrete in mixer trucks, pipes and buckets. Clean the concrete deposited in the bricks leaving an excellent appearance.

#### •DETERBRADOL

Powerful detergent for truck bodyworks, containers, tanks and machinery of public works. Highly effective alkaline detergent in the pressure washing. Contains emulsifiers and humectants for a perfect removal of grease, mud and dirt.

#### •BRADOCAR

Biodegradable concentrated shampoo for bodyworks washed by hand, at pressure, or automatic tunnel. High level of foam, it does not attack the treated surfaces. High detergent power, it leaves surfaces very bright.

## CLEANING PRODUCTS

## BRAKE FLUID AND CONTROL

#### •BRADOL DOT-3

Brake fluid based on ethers of poly-ethylene glycol, heavy duty. Minimum boiling point 205 °C. Meets DOT-3 according to the U.S.F.M.V.S.S number 116. UNE 26-116-88, as certified by INTA (National Institute of Aerospace Technology) INTA 157113D. SAE J-1703. ISO 4925.

#### •BRADOL DOT-4

Brake fluid based on ethers of poly-ethylene glycol, heavy duty. Minimum boiling point 260 °C. Meets DOT-4 according to the U.S.F.M.V.S.S number 116. UNE 26-116-88, as certified by INTA (National Institute of Aerospace Technology) INTA 157113D. SAE J-1703. ISO 4925.

## METALWORKING FLUIDS

#### •BESOL G-2

Green synthetic metalworking product for grinding. Very high anti-corrosion capacity. High cooling capacity. Good detergent qualities. General use

#### •BESOL 5

White bacteriostatic metalworking product of low environmental impact for general machining, turning, sawing, milling, etc.. To dilute in water up to 50 °HF hardness.



BRUGAROLAS was founded in 1885 and with over 125 years of service to our customers. We are proud to continue offering one of the widest ranges, most technologically advanced, highest quality and best service. Our products: oils, greases, auxiliary products, coolants, antifreeze, hydraulic fluids, release agents, single point lubricators, etc...

As leaders in Spain, manufacturing greases, can offer the largest product range available in the market, from traditional greases to last technology, from products born and developed in the high competition to greases that have proven their reliability in the machinery world's largest.

Also leading in Spain manufacturing antifreeze-coolant fluids provides to the market the highest quality and best performance products

Our special lubricants manufactured products even as the specific need of our customers solve a large number of problems every day in all types of vehicles and machinery. The aim is to provide solutions to all the lubrication needs of technological progress.

BRUGAROLAS laboratories are among the best equipped in the sector, not only for the most modern equipment and devices. People who work in research and development, most of them with many years of experience in our company, are our best assets and extraordinary value.

The quality of our products is a direct reflection of the commitment of quality and working philosophy. This security allows us to offer the maximum guarantee to our customers.

Our technical assistance is fully available to solve any requirements of lubrication that may arise. Consult your particular case. We are at your service.

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