

EARTH MOVING & AGRICULTURE

ALUCHEM
LUBRIFICANTI SPECIALI



For over 30 years, Aluchem has built itself on offering absolute quality in all its work. Our company history is founded on this principle: the pursuit of excellence is the driving factor behind all our current and future projects.

Aluchem offers a wide range of specific products such as oils, greases, sprays and detergents particularly suited to the most extreme conditions, operating under severe pressure and temperature conditions.

DRILLS

DRILL SHAFTS
 Unionlub® Special
 Unionlub® Axel

JACKHAMMERS

LUBRICATING UNITS
 Alugrease® MT
 Unionplast R-MS

TRACTORS

OIL BATHS BRAKES
 Alusynt® UNI
 Alusynt® Tractor

MOTORS
 Alusynt® UNI



MOTORS
 Alusynt® Motor Oil

HYDRAULIC CIRCUITS
 Alusynt® Dinal PS
 ALUbio Oil H

MANUAL LUBRICATION
 Alugrease® MT

DIFFERENTIALS GEARBOXES
 Alusynt® UNI
 Alusynt® Tractor

TRANSMISSION
 Alusynt® UNI
 Alusynt® Tractor

> Energy saving

> Designed for machines operating under constant stress

Since 1975, Aluchem has developed and produced specialised oils and greases with high technological content specifically for earth moving and agricultural machines. Aluchem has always been known for its excellence in the formulation, production and quality control of raw materials and end products.

For us, a complete vision means monitoring and controlling every stage of the process in order to prevent critical situations arising and to ensure all products and services conform to customer needs.

WHEEL LOADER

GREASE POINTS, ARTICULATION
 Unionlub® Axel
 Unionlub® M

MOTOCOMPRESSORS

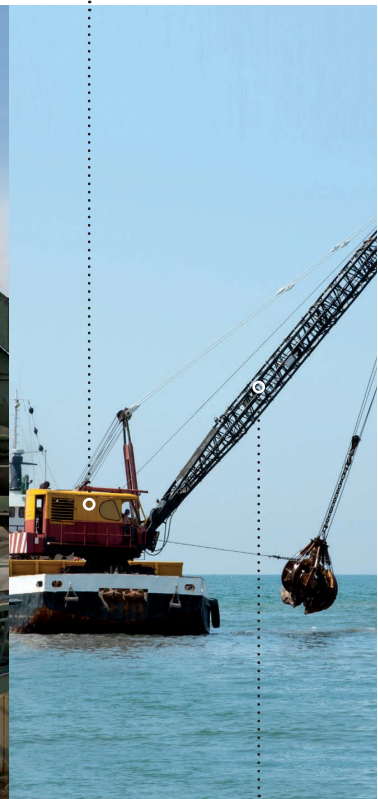
COMPRESSORS
 Alusynt® C 46 o 68
 Alusynt® CE 500

PROCESSING PLANT

SIFTING REDUCTION GREASE POINTS
 Unionplast R-MS Aluplex C
 Alusynt X-EP

DREDGERS

REDUCERS
 ALUbio Oil G



DIFFERENTIAL GEARBOXES
 Alustart CD 80W-90
 Alustart CD 85W-140



TRANSMISSION
 Alustart ATF 32
 Alcoma TR



GREASE POINTS
 Unionlub® Dynamic
 Unionlub® NA




GREASE POINTS
 Alugrease® BA
 ALUbio Grease EP

> Extended lubrication intervals

> Maximum wear reduction

| | NAME | PROPERTIES AND PERFORMANCE | GRADATION |
|--|--|---|--|
| MOTOR OILS | Alusynt® Motor Oil | Latest long-life synthetic oil for diesel motors. Ideal to minimise wear on start-up, focus on energy saving and easier cold starts. | SAE 5W-40, SAE 10W-40, SAE 15W-50 |
| | Alcoma Motor Oil | Latest long-life semi-synthetic oil for diesel motors. Ideal to minimise wear on start-up, focus on energy saving and easier cold starts. | SAE 15W-40 |
| | Alustart Motor Oil | Latest long-life mineral oil for diesel motors. Ideal to minimise wear on start-up, focus on energy saving and easier cold starts. | SAE 10W-40, SAE 15W-40, SAE 15W-50 |
| OILS FOR TRANSMISSIONS GEAR AND DIFFERENTIALS | Alusynt® Tractor | Special lubricant, characterised by high anti-wear and anti-oxidant properties. Ideal for use with agricultural or similar machinery. | SAE 10W-30 |
| | Alustart ATF 32 | Excellent lubrication, ideal for automatic transmission in ground moving machinery, reduces wear and services for extended periods of use. | ISO VG 32 |
| | Alustart CD 80W-90 | Special multigrade oil with 'EP' characteristics. Low viscosity, even at low temperatures facilitates easy start-up and reduced wear. | SAE 80W-90 |
| | Alustart CD 85W-140 | Special multigrade oil for lubrication under extreme stress and temperature conditions. Reduces wear and services for extended periods. | SAE 85W-140 |
| | Alcoma TR | Semi-synthetic special oil suitable for long life tools and power shift gear boxes. | SAE 10W, SAE 30 |
| STOU OILS | Alusynt® UNI | Multifunctional synthetic STOU lubricant characterised by excellent lubricity and extended use properties. | SAE 15W-40 |
| OILS FOR REDUCERS | Unionplast R-EP | Resistant to oxidation. Ensures high internal cleaning and excellent anti-wear and anti-foam. Low friction coefficient. Services for extended periods. | ISO 68, 100, 150, 220, 320, 460, 680, 1000 |
| | Alusynt X-EP | Top of the range synthetic oil with high EP performance, particularly effective against micro-pitting. Suitable for reducers and bearings of all types and sizes. | ISO 68, 100, 150, 220, 320, 460, 680, 1000 |
| | ALUbio Oil G  | Special biodegradable oil, recommended for use in plants where, for ecological reasons, it is necessary to protect the environment in case of accidental leakage. | ISO 150, 220, 320, 460, 680 |
| | Unionplast R-MS | Special EP molybdate oil. Protects against wear, reduces noise, lubricates in extreme conditions and temporarily during shortage of lubricant. | ISO 68, 100, 150, 220, 320, 460, 680, 1000 |
| HYDRAULIC OILS | ALUbio Oil H  | Biodegradable synthetic oil with high resistance to oxidation. Ideal for use where it is necessary to protect the environment in case of accidental leakage. | ISO 22, 32, 46, 68, 100 |
| | Alusynt® Dinal PS | Synthetic lubricant characterised by a high natural viscosity index, which allows it to remain stable under strongly changing temperature and pressure. | ISO 15, 22, 32, 46, 68, 100, 150 |
| OILS FOR COMPRESSORS | Alusynt® C 46 | Ensures exceptional cleanliness, high anti-foam, anti-wear and anti-oxidant properties. Extends change interval up to and over 8000 hours of service. | ISO 46 |
| | Alusynt® C 68 | Services up to 30,000 hours for non-lubricated screw compressors. Also suitable for high power lobe and lubricated screw compressors. | ISO 68 |
| | Alusynt® CE 500 | Fully synthetic oil, based on advanced lubrication technology for extreme conditions. Characterised by excellent lubricity and stability. | ISO 100 |
| | Alusynt® Cleaner | Special synthetic fluid, detergent and grease. Removes debris and sludge formed over time with the use of mineral or low performance oils. | ISO 32, 46, 68, 100, 150 |

| | NAME | PROPERTIES AND PERFORMANCE | GRADATION |
|------------------|-------------------|--|---------------------------------------|
| PASTES | Alugrease® AGU | Fluid anti-seizure paste which guarantees maximum penetration ensuring the ease of dismantling parts even after long periods of exposure to high temperatures. | NLGI > 7 |
| | Alugrease® PZ | Assembly paste made from synthetic fluids formulated for lubrication of the initial set-up, ensures kinetic friction coefficient and excellent anti-wear properties. | NLGI > 7 |
| GREASES | Alugrease® BA | Special EP grease, white, totally waterproof and highly adhesive. Ideal at high temperatures, provides anti-oxidant and anti-wear protection. | NLGI 0, 1, 2 |
| | ALUbio Grease EP |  Contains EP additives and latest generation biodegradable lubricants. Extremely water-resistant characteristic protects against rusting. | NLGI 0, 1, 2 |
| | Alugrease® MT | Copper grease characterised by excellent anti-friction and anti-seizing properties, excellent adhesion and highly water-resistant. | NLGI 00,1, 2 |
| | ALUbio Grease |  Biodegradable grease, light in colour. Characterised by high lubricity, good adhesion and total water resistance. Ideal for outdoor machinery. | NLGI 0, 2 |
| | Unionlub® Axel | Adhesive grease with total water resistance and high EP properties. Lubricates and protects components for long periods, even in the presence of water. | NLGI 00, 1, 2 |
| | Unionlub® Dynamic | Totally waterproof grease, characterised by good adhesion, excellent EP power, anti-rust and anti-oxidant properties. | NLGI 2 |
| | Unionlub® GS | Special high dropping point grease (over 260°C) contains pure graphite. Ideal for extreme conditions and harsh environments. Long life. | NLGI 0, 1, 2, 3 |
| | Unionlub® M | Special high dropping point grease, contains molybdenum disulphide. Suitable for lubrication under severe temperature and pressure conditions. Long life. | NLGI 0, 1, 2 |
| | Unionlub® NA | Special high dropping point grease (over 260°C). Ideal for lubrication under severe temperature and pressure conditions. Long life. | NLGI 1, 2, 3 |
| | Unionlub® NA 00 | Special semi-fluid grease, adhesive and anti-oxidant with EP properties. Reduces wear and services for extended periods. | NLGI 00 |
| | Aluplex C | Special multi-purpose grease, contains special aluminium complex soaps. Ideal for use at high temperature or in the presence of water. | NLGI 0, 1, 2 |
| | Unionlub® Special | Special high dropping point grease, contains pure graphite. Excellent adhesion and water-resistance properties. Allows long intervals between re-lubrication. | NLGI 2 |
| COMPOUNDS | Unionplast A | Special graphite compound with volatile solvents. Predilution with solvents ensures complete coverage and penetration to all parts. | NLGI 2 (After evaporation of solvent) |
| | Unionplast B | Special graphite compound for lubrication and protection of open gears, wire ropes and similar tools. apply hot by brush or immersion. | NLGI 2 |
| ADDITIVES | Depurin | Dosage: 1 litre per 1000 litres of fuel. Add to a quarter full tank, it gradually lifts sediment from the bottom. | - |
| | Naftaddit | Dosage: 1 litre pre 2000 litres of fuel. Add when filling the tank. Improves combustion, making the engine more uniform and reduces deposits. | - |

| | NAME | PROPERTIES AND PERFORMANCE | GRADATION |
|-------------------|--|---|-----------|
| DETERGENTS | Aluclean  | Non-foaming, non-flammable detergent. Biodegradable >90%. Effectively removes dirt and debris from equipment and industrial floors. | - |
| | Bio Cleaner 680  | Contains vegetable extracts. 100% biodegradable and non-flammable. Removes hard grease and fat without irritating the skin. | - |
| | Bioemu  | Low-foaming, non-toxic and non-caustic degreaser-detergent. 98% biodegradable. Ideal for removing all types oil, fat and grease. | - |
| SOLVENTS | Alusol FG | Special non-toxic solvent with high degreasing strength. Chlorine and scent free it does not damage the ozone layer. | - |
| | Degripan D 82 | Synthetic fast acting fluid degreaser, lubricant and anti-oxidant. Suitable for a wide range of maintenance needs. | - |
| | Safe Solvent | Non-flammable solvent. Ensures maximum user safety in case of contact with open flames. Suitable for any degreasing needs. | - |
| SPRAYS | Alugraf G 17 Spray | Pure dry powdered graphite aerosol (spray). Made from a film of graphite with a very low friction coefficient. Ideal for dry lubrication and pre-treatment. | - |
| | Alugrease® BA FG Spray | Soft grease aerosol, white, multi-purpose, water proof, highly adhesive and anti-wear. | - |
| | Alusynt® Microflon Spray | Synthetic fluid lubricant aerosol. Cleans, lubricates and protects surfaces in the most demanding operating conditions and environments. | - |
| | Degripan Spray | Fast acting synthetic fluid aerosol degreaser, lubricant and anti-oxidant. Ideal for small and large maintenance jobs. | - |
| | Plastolux Rosso Spray | Red fluorescent paint. Ideal to paint or restore fluorescent signs and stands. Maintains fluorescence for long periods even in the presence of water. | - |
| | Alusol St Spray | Newly developed high penetration solvent/detergent and degreaser suitable for removing mastics, adhesives, soot, sludge etc... | - |
| | Alusynt White AM 320 | Non-toxic white oil aerosol, anti-wear and adhesive. Suitable for lubricating a wide range of chains, slide ways, pins and hinges. | - |
| Unionzink Spray | Zinc spray. Highly resistant to weathering. Suitable for galvanising small parts, painting, retouching galvanised materials and iron products. | - | |

In 2001, Aluchem released the first biodegradable lubricant and is recognised today as a pioneer in the field of bio-lubricants with low environmental impact, the use of which is particularly important in sensitive environments.

Through predictive maintenance, we are able to work with customers by guaranteeing longer-lasting products, resulting in decreased consumption and lower costs as compared to preventative maintenance.

Standard or customised analysis packages are available to suit customer needs.

Aluchem offers its customers a service to monitor oils in use according to ASTM and ISO regulations so as to evaluate the mechanical condition of lubricated equipment to prevent possible failure or malfunction.

Aluchem is an ISO certified company: UNI EN ISO 9001:2015

dotis.it



Tailor made lubricants

Lubrication plans

Training courses

Lubricant analysis

More than 40 years of experience in quality service



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