

# HI - TECH LUBRICANTS

AGRICULTURAL MACHINERY  
PUBLIC WORKS - MINES  
COUNTRYSIDE - QUARRIES



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PUBLIC WORKS - MINES  
COUNTRYSIDE - QUARRIES**

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## CLEANERS



PRODUCT	N°		CLEANING CAPACITY	SPEED EVAPORATION	BULK SWELLING RESISTANCE	OUTSTANDING FEATURES
PRESTIGE K1	5		●	Quick	●	Dielectric contact cleaner, fast evaporating, cleans metal surfaces, does not attack rubber and plastics
PRESTIGE TECH	6		●	Normal	●	Cleaner of glues, most common glues, residues in moulds and extrusion nozzles. Cleaning and decomposition of grease
FOAM CLEANER	11		●	Does not evaporate	●	Foam cleaner for glass, plastics, enameled and painted surfaces, stainless steel, chrome, keyboards, plasma screens, computer equipment, fabrics, carpets and upholstery
BRAKE CLEANER	16		●	Quick	●	Cleaner for brake discs, drums and clutch components. Removes grease, rubber, carbon deposits and dust

## PROTECT



AFLOJATODO	10		Allows easy loosening of seized metal parts, even rusted: nuts, pins, bolts, hinges... Excellent release fluid, anti-corrosive and wet film lubricant with very low residue			
PROTECT GALVANIZADO	12		Anticorrosive spray primer based on lamellar zinc, aluminium, resins and additives, formulated to form a high performance coating, designed to achieve a high antioxidant protection on metal surfaces, ensuring a smooth, uniform and shiny finish			
PROTECT NO RUST	15		Wet film lubricating, anti-corrosive and deblocking fluid developed for the protection of metals, machinery, electrical equipment, etc. Stops sulphation of battery terminals and fasteners. Displaces water from all electrical contacts. Dielectric. Working temperature - 50° to 50°C			

## MOULD RELEASE



PRODUCT	N°		TEMP. WORK	OUTSTANDING FEATURES
LUBE H1 SILICONA	8		- 55 a 230 °C	Demoulding of plastics and elastomers. Dielectric. Resistant to oxidation and aggressive environments, water and organic solvents. Rubber regeneration

● EXCELLENT   ● GOOD   ● REGULAR   ● NOT SUITABLE



## GREAS



PRODUCT	N°	EP (KG)	A	B	C	TEMP. USE	SPEED FACTOR											FEATURES HIGHLIGHTS
ARIS - TF	2	500	●	●	●	-20 to 145 °C	500.000	●	●	●	●	●	●	●	●	●	●	With PTFE. Systems with shock loads
SPEED CHAIN LUBE FILM	7	500	●	●	●	-20 to 145 °C		●	●	●	●	●	●	●	●	●	●	With PTFE. Offroad and Sport chains.
CAPLEX 038 FILM	38	400	●	●	●	-20 to 160 °C		●	●	●	●	●	●	●	●	●	●	High graphite and MoS2 content. Specially for open gears

## OILS



PRODUCT	N°	EP (KG)	A	B	C	TEMP. USE	SPEED FACTOR											FEATURES HIGHLIGHTS
LUBRITEF	1	315	●	●	●	-10 to 150 °C		●	●	●	●	●	●	●	●	●	●	Contains PTFE Chains, guides
BLACK LUBE CHAIN	28	800	●	●	●	-30 to 150 °C		●	●	●	●	●	●	●	●	●	●	With graphite and MoS2 thickener, guides, cables and chains. Resistant to dust and water jet washing


## PASTA



PRODUCT	N°	EP (KG)	A	B	C	TEMP. USE	SPEED FACTOR											FEATURES HIGHLIGHTS
PASTA ALUMINIO	14	800	●	●	●	-25 to 700 °C		●	●	●	●	●	●	●	●	●	●	Anti-scratch aluminium
PASTA COBRE	66	800	●	●	●	-40 to 1100 °C		●	●	●	●	●	●	●	●	●	●	Anti-cracking and electroconductive copper
PASTA CERÁMICA	67	400	●	●	●	-50 to 2000 °C	250.000	●	●	●	●	●	●	●	●	●	●	Ceramic paste Free of metals

● EXCELLENT  
 ● GOOD  
 ● REGULAR  
 ● NOT SUITABLE  
 A. CORROSION PROTECTION  
 B. ADHESIVITY  
 C. WATER RESISTANCE

PRODUCT	SPECIFICATION	QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>AGRO STOU</b> 10W30 10W40 15W40 20W30	ACEA E3 API GL-4 API: CC-CD/SG-SG	<ul style="list-style-type: none"> <li>Massey ferguson: cms m1144, m1145 &amp; m1139</li> <li>John deere: j27</li> <li>Ford: m2c159b/c</li> <li>New holland: 82009201/2/3</li> <li>Zf te-ml 06</li> <li>Allison c4</li> </ul>	<ul style="list-style-type: none"> <li>Engine</li> <li>Transmissions and gearboxes</li> <li>Hydraulic systems</li> <li>Underwater brakes</li> <li>Self-propelled cranes</li> <li>Container carriers</li> <li>Excavator models (Volvo, JCB)</li> </ul>	<ul style="list-style-type: none"> <li>Maximises efficiency</li> <li>Excellent noise reduction</li> <li>Good Extreme Pressure Protection</li> <li>Superior performance in extreme conditions</li> </ul>
<b>AGRO UTTO</b> 10W30 15W40 20W30 20W40	API GL-4	<ul style="list-style-type: none"> <li>Ford m2c 134 a/b/c/d</li> <li>John deere j20a/b y jdm 20c/d</li> <li>Case new holland mat 3525/3526, 3505/3509/3540</li> <li>Massey ferguson cms 1145 y m1141, m1143, m1135</li> <li>Allison c4</li> <li>Denison utto hf-0 a hf-02</li> <li>Eaton vickers (mobile hydraulic systems-brochure 694)</li> <li>Ford m2c86-b, m2c 134d/ fnha2c 210.00</li> <li>Caterpillar to-2</li> <li>Case ms 1204/1206/1207/1209</li> <li>Kubota udt</li> <li>Jcmas hk p-041 &amp; p-042</li> <li>New holland nh 410b/nh 410c</li> <li>Agco-allis-chalmers powerfluid pf-821 xl</li> <li>Ford esn m2c 41b/48b/53a</li> </ul>	<ul style="list-style-type: none"> <li>Transmissions and gearboxes</li> <li>Hydraulic systems</li> <li>Underwater brakes</li> <li>Self-propelled cranes</li> <li>Container carriers</li> </ul>	<ul style="list-style-type: none"> <li>Hydrostatic drives</li> <li>Corrosion and rust protection</li> <li>Excellent noise reduction</li> <li>Good extreme pressure protection</li> <li>Superior performance in extreme conditions</li> <li>Oxidation stability</li> <li>Excellent demulsibility</li> </ul>

 MINERAL OIL	 SYNTHETIC OIL	 BIODEGRADABLE OIL
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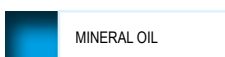


**AVAILABLE IN  
CATALOGUE OF  
MOBILITY**

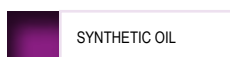


## BRAKE FLUID

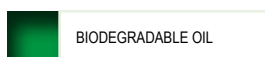
PRODUCT	SPECIFICATION	QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>MASTER LHM</b>	LHM + UNE 26-090-88 ISO 7308 AFNOR NFR12-640M DIN 51524,3	<ul style="list-style-type: none"> <li>NH 610A</li> <li>PSA B71 2710</li> <li>FIAT 9,55597</li> <li>IVECO 18-1823</li> <li>SDFG OF1611 S</li> <li>MASSEY FERGUSON MAT 3630</li> </ul>	<ul style="list-style-type: none"> <li>Brakes</li> <li>Suspensions and centralised circuits</li> <li>CITROËN group vehicles</li> </ul>	<ul style="list-style-type: none"> <li>Very high viscosity index</li> <li>Excellent corrosion and rust protection</li> <li>Low foaming tendency</li> <li>Not compatible with conventional brake fluids</li> </ul>
<b>MASTER HIDROFRE-NOS</b>	API GL-4	<ul style="list-style-type: none"> <li>VICKERS M-2950-S</li> <li>VOLVO WB101, WB102</li> <li>ALLISON C4</li> </ul>	<ul style="list-style-type: none"> <li>Submerged brakes</li> <li>Hydraulic systems</li> <li>Automatic transmissions</li> </ul>	<ul style="list-style-type: none"> <li>Dampens noise and prevents wear and tear</li> <li>Oxidation stability</li> <li>Compatibility with friction materials</li> <li>Controlled friction coefficient</li> <li>Increased operator safety</li> </ul>
<b>MASTER DOT-4 ABS</b>	UNE 26-109-88 SAE J-1703/1704 ISO 4925 clases 3 y 4 AFNOR NFR 12640	<ul style="list-style-type: none"> <li>FMVSS N-116 DOT 4</li> </ul>	<ul style="list-style-type: none"> <li>Brake hydraulics</li> <li>Clutch hydraulics</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for use at high temperatures</li> <li>Maintains its viscosity when cold</li> <li>Compatible with synthetic brake fluids</li> <li>Does not attack elastomers</li> <li>Provides long seal life</li> </ul>



MINERAL OIL



SYNTHETIC OIL



BIODEGRADABLE OIL



PRODUCT	APPLICATION	DOSAGE	PROPERTIES
<b>ADITIVO STOP RUIDO FRE-NOS</b>	Specially developed to be added to hydraulic oil, allowing its use in submerged brakes. Provides a high coefficient of static friction that prevents brake slippage and squealing	It is recommended to add it in doses of 4-8%. It is recommended to pre-mix 50% with the oil to facilitate subsequent mixing in the tank	<ul style="list-style-type: none"> <li>• Oxidation stability</li> <li>• Compatibility with friction materials</li> <li>• Controlled coefficient of friction</li> <li>• Prevents element wear</li> <li>• More precise control</li> <li>• Smoother operations</li> <li>• Increased operator safety</li> <li>• Reduced wear and tear</li> <li>• Lower maintenance costs</li> <li>• Excellent performance in hydraulics and automatic transmissions</li> </ul>
<b>ADITIVO MOS 2 FLUID</b>	EXCELLENCE LUBRICANT	It consists of a preparation of Molybdenum Bisulphide (with an average particle size of 0.5 microns) and a corrosion inhibitor	<ul style="list-style-type: none"> <li>• Typical friction coefficient between 0'05 and 0'10</li> <li>• High load carrying capacity</li> <li>• Exhibits high electrical resistance</li> <li>• When exposed to humid air in storage, slight oxidation may occur resulting in a noticeable increase in acidity value</li> </ul>
<b>ADITIVO GASOIL LOW TEMP</b>	DECREASES DIESEL FREEZING TEMPERATURE	A dosage of 1 L of SMG in 1000 L of diesel oil reaches minimum temperatures of -17 to -20°C and with 2 L of SMG in the same volume the minimum temperature is -25 to -27°C	<ul style="list-style-type: none"> <li>• Easy implementation</li> <li>• Good response time</li> <li>• Ensures cold conditioned operation</li> <li>• Improved filtering properties</li> </ul>
<b>ADITIVO FUEL OIL COMBUSTION</b>	COMBUSTION ENHANCER	For optimum performance, it should be dosed directly into the tanks, either storage tank or regulator, by manual or pump addition. A dosage of 1:25.000 (1 litre per 25 tonnes of fuel) is recommended	<ul style="list-style-type: none"> <li>• Fuel dispersant-stabiliser</li> <li>• Prevents sludge formation</li> <li>• Increases fuel formation and engine performance</li> <li>• Facilitates separation of water from fuel</li> <li>• Non-flammable at ambient temperature</li> <li>• High economy</li> </ul>
<b>ACTICIDE CMG</b>	ANTI-BACTERICIDAL ADDITIVE FOR DIESEL OIL	Typical application rates are between 0.01 - 0.40%, depending on the product to be protected and the environmental conditions to which it will be exposed. As a preventive dose 100-300 ppm is recommended	<ul style="list-style-type: none"> <li>• ACTICIDE @ CMG has the ability to inhibit the growth of a wide spectrum of bacteria, fungi and yeasts spectrum of bacteria, fungi and yeasts that are able to proliferate at the water-gasoil interface</li> </ul>



PRODUCT	SPECIFICATION	QUALITY LEVEL	PROPERTIES
<b>FULL TO - 4</b> SAE 10 W SAE 30 SAE 40 SAE 50	API CF2	<ul style="list-style-type: none"> <li>Caterpillar TO-4 / TO-4M</li> <li>Komatsu KES 07.868.1</li> <li>Allison C4 (off road)</li> <li>New Holland600 TR, ZF TE-ML-07F / 06K / 05F / 03C</li> <li>Euclid</li> <li>VickersM-2950-S</li> <li>Eaton-Fuller , Dana o Tremac / TTC</li> </ul>	<ul style="list-style-type: none"> <li>Differential transmissions and gearboxes</li> <li>Maximises durability and productivity</li> <li>Rust stability</li> <li>High speed and high load applications</li> <li>Prevents wear on friction plates</li> <li>Prevents wear on gear teeth and final drives</li> </ul>
<b>GEAR AUTO</b> 90 API GL5 140 API GL5	API GL-5 MT-1	<ul style="list-style-type: none"> <li>MAN 342 Typ M-1 (old MAN342N)</li> <li>SAE J2360</li> <li>ZF TE-ML-05C,12C,21C</li> <li>MIL-L2105-C/D;</li> <li>NISSAN specifications</li> </ul>	<ul style="list-style-type: none"> <li>Differential transmission</li> <li>Excellent in severe working conditions and high loads</li> <li>High speeds and shock loads</li> <li>High speeds and low torque and vice-versa</li> <li>Provides long tooth life</li> </ul>
<b>GEAR AUTO</b> 75W90 API GL5 75W140 API GL5 80W90 API GL5 85W140 API GL5	API GL-5 MT-1	<ul style="list-style-type: none"> <li>MAN 342 Typ M-1</li> <li>SAE J2360</li> <li>ZF TE-ML-05C,12C,21C</li> <li>MIL-L2105-C/D;</li> <li>NISSAN specifications</li> </ul>	<ul style="list-style-type: none"> <li>Differential transmission</li> <li>Excellent performance under severe conditions and high loads</li> <li>Good performance in extreme temperatures</li> <li>Prevents deposits and extends service life</li> <li>Low fuel consumption</li> <li>Excellent corrosion protection</li> </ul>
<b>GEAR AUTO</b> 75W80 API GL5 LS 75W90 API GL5 LS 75W140 API GL5 LS 80W90 API GL5 LS 85W140 API GL5 LS	API GL-5 LS LSD MT-1	<ul style="list-style-type: none"> <li>MAN342TypM-1</li> <li>MIL-L2105-D</li> <li>SAEJ2360.</li> <li>ZFTE-ML-05C,12C,21C</li> <li>NISSAN specifications</li> </ul>	<ul style="list-style-type: none"> <li>Self-locking differential transmission</li> <li>Operates at high speeds and shock loads, high speeds and low torque and vice-versa</li> <li>Provides long tooth life, preventing fatigue and wear</li> <li>Prevents chatter effect</li> <li>Excellent anti-oxidation, anti-corrosion, demulsibility and de-aeration</li> <li>Provides stability and long oil change periods</li> </ul>
<b>GEAR AUTO</b> 80W90 STO 85W140 STO	API GL-5 MT-1	<ul style="list-style-type: none"> <li>Scania STO1:0</li> <li>MIL-PRF-2105E / SAE J2360 (n°PRI GL 0660)</li> <li>MAN 342 type M3</li> <li>ZF TE-ML 05A /12L /12M /16B /17B /19B /21A</li> <li>Mercedes-Benz MB-Approval 235.20</li> </ul>	<ul style="list-style-type: none"> <li>Gearboxes</li> <li>Prevents fatigue and wear on hypoid gears</li> <li>Prevents chatter effect</li> <li>Anti-rust and anti-corrosion properties</li> </ul>
<b>GEAR AUTO PREMIUM PAO</b> 75W90 API GL5 80W90 API GL5 75W140 API GL5 85W140 API GL5	APIGL-5MT-1	<ul style="list-style-type: none"> <li>MAN342Typ S-1</li> <li>MIL-L2105-D</li> <li>VOLVO V 97312</li> <li>MACK-GO-J</li> <li>MB 235.8, MB 235.11</li> <li>SAEJ2360</li> <li>JOHNDEEREJDMJ11E/G</li> <li>SCANIA STO 1:0</li> </ul>	<ul style="list-style-type: none"> <li>Self-locking differential transmission</li> <li>Increases shift intervals</li> <li>Reduces operating temperatures</li> <li>Extends lubricant life and oil change life</li> <li>Excellent corrosion protection</li> </ul>
<b>GEAR AUTO PREMIUM PAO</b> 75W80 API GL5 LS 75W90 API GL5 LS 80W90 API GL5 LS 75W140 API GL5 LS 85W140 API GL5 LS	API GL-5 LS LSD MT-1	<ul style="list-style-type: none"> <li>MAN342TypM-1</li> <li>MIL-L2105-D</li> <li>SAEJ2360.</li> <li>ZFTE-ML-05C,12C,21C</li> <li>NISSAN specifications</li> </ul>	<ul style="list-style-type: none"> <li>Self-locking differential transmission</li> <li>Excellent temperature resistance</li> <li>Prevents premature oxidation</li> <li>Extends lubricant and oil change life</li> <li>Provides increased engine performance</li> <li>Reduces fuel consumption</li> <li>Excellent corrosion protection</li> </ul>

MINERAL OIL	SYNTHETIC OIL	BIODEGRADABLE OIL
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PRODUCT	QUALITY LEVEL	PROPERTIES
<b>FULL ATF</b> <ul style="list-style-type: none"> <li>• GM DEXRON II D</li> <li>• MERCEDES BENZ 236.7</li> <li>• VOITH; ALLISON C4</li> <li>• RENK</li> </ul>	<ul style="list-style-type: none"> <li>• CARTERPIllAR TO-2</li> <li>• MAN 339-C</li> <li>• ZF TE-ML-09</li> <li>• ZF TE-ML-11</li> <li>• ZF TE-ML-14</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent corrosion protection</li> <li>• Highest thermal stability</li> <li>• High anti-ageing properties</li> <li>• Reduced friction and wear</li> <li>• Good viscosity-temperature properties</li> <li>• Excellent low temperature performance</li> <li>• Protects metal-to-metal contact</li> </ul>
<b>FULL ATF II</b> <ul style="list-style-type: none"> <li>• GM DEXRON II D</li> <li>• MERCEDES BENZ 236.7</li> <li>• VOITH</li> <li>• ALLISON C4</li> <li>• RENK</li> </ul>	<ul style="list-style-type: none"> <li>• CARTERPIllAR TO-2</li> <li>• MAN 339-C</li> <li>• ZF TE-ML-09</li> <li>• ZF TE-ML-11</li> <li>• ZF TE-ML-14 A</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent corrosion protection</li> <li>• Highest thermal stability</li> <li>• High anti-ageing properties</li> <li>• Reduced friction and wear</li> <li>• Good viscosity-temperature properties</li> <li>• Excellent low temperature performance</li> <li>• Protects metal-to-metal contact</li> </ul>
<b>FULL ATF 68</b> <ul style="list-style-type: none"> <li>• GM DEXRON II D</li> <li>• M.BENZ 236.7</li> <li>• VOITH</li> <li>• ALLISON C4</li> <li>• RENK</li> </ul>	<ul style="list-style-type: none"> <li>• DIN 51506 VDL (ISO 68)</li> <li>• TO-2</li> <li>• MAN 339-C</li> <li>• ZF TE-ML-09</li> <li>• ZF TE-ML-11</li> <li>• ZF TE-ML-14</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent low and high temperature performance</li> <li>• Excellent corrosion protection</li> <li>• Maximum thermal stability</li> <li>• Reduced friction and wear</li> <li>• Special hydraulic gears for public works machinery</li> </ul>
<b>PREMIUM ATF III SINT</b> <ul style="list-style-type: none"> <li>• JASO 1A</li> <li>• MAN 339 V1/Z1 (ex.339 F)</li> <li>• ZF TE-ML 02F/03D/04D/14C/16M/17C/20C</li> <li>• VOITH 55.6335.xx (G 607)</li> <li>• VOLVO Transmisión Fluid 97341/ 97342</li> </ul>	<ul style="list-style-type: none"> <li>• G. M. DEXRON III-H</li> <li>• FORD MERCON V</li> <li>• ALLISON C-4</li> <li>• CATERPIllAR TO-2</li> <li>• M.BENZ 236.1</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent corrosion protection</li> <li>• Excellent wear protection</li> <li>• Excellent friction performance</li> <li>• Highest thermal stability</li> <li>• Good viscosity-temperature properties</li> <li>• Excellent low temperature performance</li> <li>• Low foaming tendency</li> </ul>

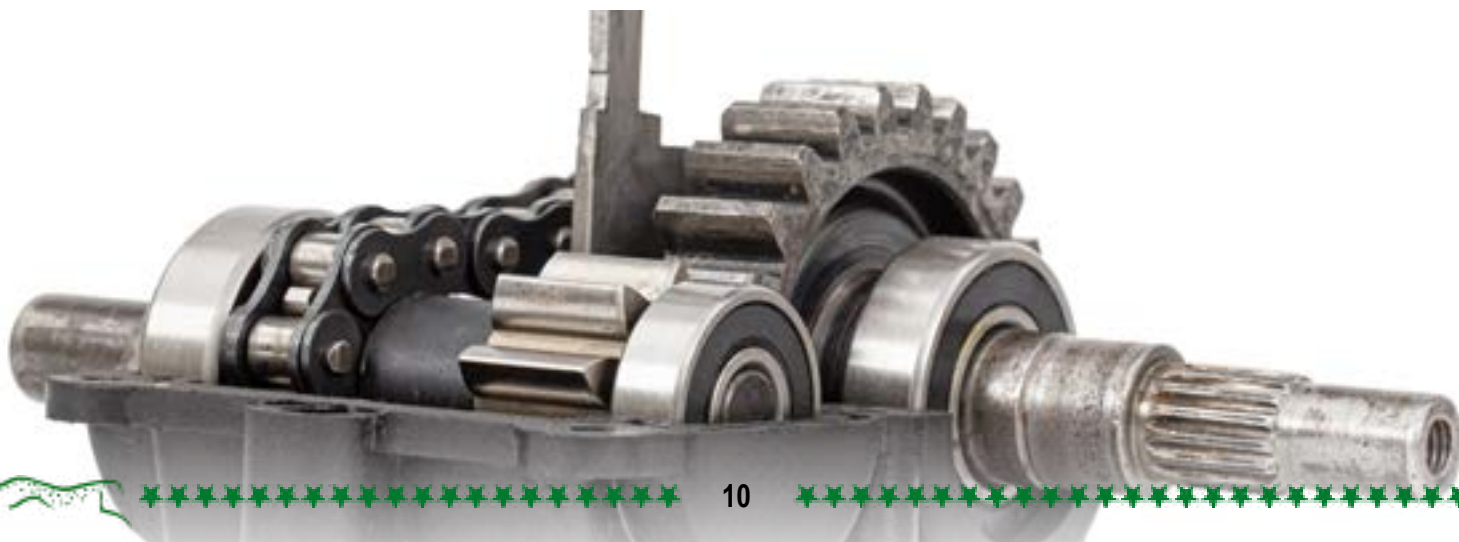
MINERAL OIL

SYNTHETIC OIL

BIODEGRADABLE OIL



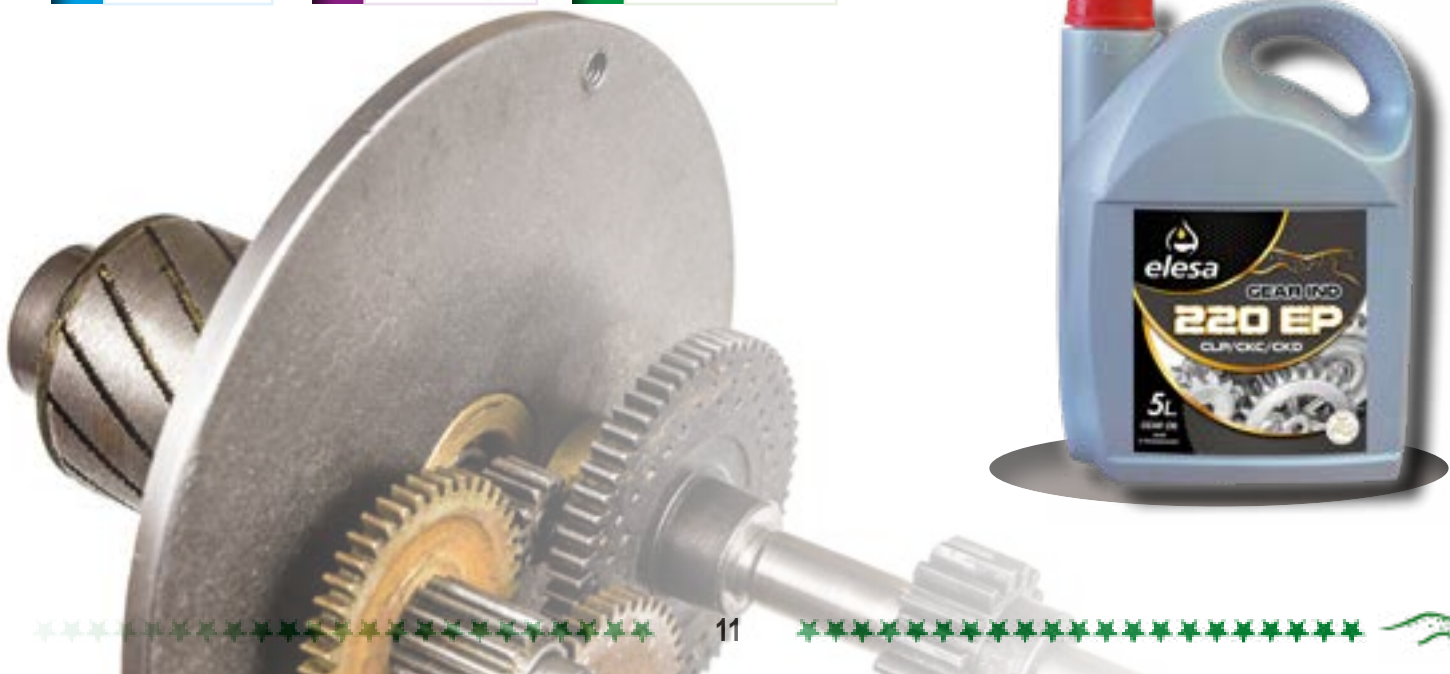
PRODUCT	SPECIFICATION / QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>GEAR IND BIO SINT 150</b> 	ISO / TR 3498 L-CKC DIN 51.517 part. 3 CLP-E OECD 301- B U.S. Steel 224	<ul style="list-style-type: none"> <li>• Systems exposed to high temperatures</li> <li>• Gearboxes subjected to overloads</li> <li>• Environmentally sensitive activities</li> <li>• Protect the environment</li> </ul>	<ul style="list-style-type: none"> <li>• Compatible with mineral oils</li> <li>• Minimal evaporation</li> <li>• High chemical and thermal stability</li> <li>• Low freezing point</li> </ul>
<b>GEAR IND EP PLUS</b> 46 - 68 - 100 - 150 - 220 - 320 - 460 - 680 - 1000	ISO - 6743 - 6 ISO 12925 - 1 CKC y CKD ISO / TR 3498 CKC Approved by GRUPO DANOBAT for ISO 100 a 460 ISO L-CKC (46 a 1000) DIN 51.517 part.3 (CLP-46 a 680) Viscosity according to ISO 3448 y DIN 51519 AGMA 9005. E02 (EP) U.S. Steel 224	<ul style="list-style-type: none"> <li>• Equipment subjected to extreme pressure or high shock loads and low speeds</li> <li>• Lubrication of chains, sprockets, bearings and sliding guides</li> </ul>	<ul style="list-style-type: none"> <li>• Anti-rust protection</li> <li>• Corrosion protection</li> <li>• Anti-foaming</li> <li>• Free of highly toxic additives</li> </ul>
<b>GEAR IND FILM EP PLUS</b> 46 - 68 - 100 - 150 - 220 - 320 - 460 - 680 - 1000	U.S. Steel 224 David Brown S 1.53.101 (E) Cincinnati Milacron P47 y P50	<ul style="list-style-type: none"> <li>• Oil in the application does not sag</li> <li>• Equipment subjected to very extreme pressure or high shock loads and low speeds</li> <li>• Lubrication of chains, sprockets, bearings and sliding guides</li> <li>• Large gears</li> </ul>	
<b>GEAR IND EP</b> 46 - 68 - 100 - 150 - 220 320 - 460 - 680 - 1000	ISO - 6743 - 6 ISO 12925 - 1 CKC y CKD ISO / TR 3498 CKC for machine tools: Approved by GRUPO DANOBAT for ISO 100 a 460 DIN 51.517 part. 3 (CLP- 46 a 680) AGMA 250.04 Cincinnati Milacron P47 y P50 U.S. Steel 224	<ul style="list-style-type: none"> <li>• Equipment subjected to EP or shock loads</li> <li>• Mills in the cement industry</li> <li>• Mixers, bamburys and granulators</li> <li>• Cranes</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced foaming</li> <li>• Sulphur-phosphorus type extreme pressure additives</li> <li>• Low friction coefficient</li> <li>• Increased resistance to oxidation and corrosion</li> </ul>
<b>GEAR IND FILM EP</b> 46 - 68 - 100 - 150 - 220 320 - 460 - 680	ISO / TR 3498 CKC: Homologado por GRUPO DANOBAT para ISO 100 a 460 DIN 51502 CGLP for lubrication of slideways and slides on machine tools AGMA 250.04 U.S. Steel 224, Cincinnati Milacron P47 y P50	They solve the problem of oil slippage and provide optimum lubrication in the oil: <ul style="list-style-type: none"> <li>• Large gears</li> <li>• Chains and cables at temperatures from 9 to 150°C</li> <li>• Lubrication of chains, sprockets, bearings and sliding guides</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced foaming</li> <li>• Extreme pressure additives and high adhesiveness</li> <li>• Ability to withstand high shock loads</li> <li>• Low coefficient of friction</li> <li>• Increased oxidation and corrosion resistance</li> </ul>
<b>GEAR IND FILM</b> 460 - 900 - 4000	DIN 51.517 part.3 (CLP) AGMA 9005.E02	<ul style="list-style-type: none"> <li>• Lubrication of vertical open gears</li> <li>• Enables slow speed work on guides, eccentrics, chains...</li> <li>• elesa® GEAR IND FILM 900 gives excellent performance in crane jib sliding slides.</li> <li>• elesa® GEAR IND FILM 4000 is a semi-synthetic. It lubricates, even under water and acidic conditions, public works with very high loads and very slow displacements</li> </ul>	<ul style="list-style-type: none"> <li>• High adhesion</li> <li>• High scuffing protection</li> <li>• Highly adhesive and stringy. No sagging</li> <li>• Highly greasy</li> <li>• High shear strength</li> <li>• Highly resistant to water washing</li> </ul>



✓ Industrial gear lubrication      ✓ Wear protection      ✓ Excellent demulsibility

PRODUCT	SPECIFICATION / QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>GEAR IND PLUS PAO</b> 46 - 68 - 100 - 150 - 220 - 320 - 460	Ranking ISO L-CKC (100 a 460) Viscosity according to ISO 3448 y DIN 51519 DIN 51.517 part. 3 (CLP-46 a 680) AGMA 9005.E02 U.S. Steel 224 David Brown S1.53.101 Cincinnati Milacron P47 y P50	<ul style="list-style-type: none"> <li>• Gear systems subjected to high loads and shock loads</li> <li>• Worm, helical, cylindrical, bevel, helical and helical gears</li> <li>• Dryer coil bearings</li> <li>• Gearboxes working permanently at high temperature</li> <li>• Plastic laminar extrusion systems</li> <li>• Difficult to access equipment, where oil changes are labour intensive</li> </ul>	<ul style="list-style-type: none"> <li>• <b>SEMISYNTHETIC</b></li> <li>• <b>Hydraulic oil, power transmitter</b></li> <li>• <b>Excellent lubrication under extreme temperature conditions, low speeds, high loads</b></li> <li>• <b>Minimal sludge and oxidation products</b></li> <li>• <b>Minimal evaporation, consumption and replenishment</b></li> <li>• <b>High Viscosity Index</b></li> <li>• <b>Low freeze point</b></li> <li>• <b>Optimum wear protection</b></li> <li>• <b>Good compatibility with elastomers and seals</b></li> </ul>
<b>GEAR IND PREMIUM PAO</b> 32 - 68 - 100 - 150 - 220 320 - 460 - 680 - 1000	ISO 12925 -1 Tipo CKC / CKD / CKE (ISO 46 a 680) DIN 51.517 part.3 CLP HC (ISO 46 a 1000) AGMA 9005.E02 U.S. Steel 224 David Brown S1.53.101 Flender BA -7300 Cincinnati Milacron P34 a P80	<ul style="list-style-type: none"> <li>• Systems operating at high and low temperatures</li> <li>• Equipment subjected to low speeds and high loads</li> <li>• Gearboxes</li> <li>• Lifetime lubricated geared motors</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent lubrication</li> <li>• Very good cold start</li> <li>• Minimal evaporation</li> <li>• High viscosity index</li> <li>• Low freeze point</li> <li>• Compatibility with elastomers and seals</li> <li>• Compatibility with mineral oils</li> </ul>
<b>GEAR IND SINT</b> 220 - 460	DIN 51.517 part.3 (CLP-E) AGMA 9005.E02 (S) U.S Steel 224 David Brown S1.53.101	<ul style="list-style-type: none"> <li>• High and low temperature systems</li> <li>• Equipment subjected to high loads</li> <li>• Hypoid gears</li> <li>• Difficult to access equipment</li> <li>• Highly corrosive environments - hydrolysis stability</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal evaporation</li> <li>• Low freezing point</li> <li>• Optimum high temperature performance</li> <li>• High viscosity index</li> <li>• Compatibility with mineral oils</li> <li>• High flash point and low volatility</li> </ul>
<b>GEAR IND SINT MoS2</b> 100 - 150 - 220 - 460 - 680	DIN 51.517 part.3 (CLP-E) AGMA 9005.E02 (S) U.S Steel 224 David Brown S1.53.101	<ul style="list-style-type: none"> <li>• Same applications as Gear Ind Sint with solid molybdenum disulphide additives</li> <li>• Overloaded gearboxes</li> </ul>	<ul style="list-style-type: none"> <li>• Hydrolysis stability</li> <li>• Low freezing point</li> <li>• Outstanding chemical and thermal stability</li> <li>• High viscosity index</li> <li>• Excellent EP characteristics</li> <li>• High flash point and low volatile properties</li> <li>• Excellent wear protection</li> </ul>
<b>GEAR IND PREMIUM PAG</b> 68 - 100 - 150 - 220 - 320	DIN 51.517 part.3 CLP-PG AGMA 9005.E02(S) U.S.Steel 224	<ul style="list-style-type: none"> <li>• High temperature systems</li> <li>• Compressors, vane vacuum pumps, blowers, calanders, screw drives and screw screws</li> <li>• Calender, worm and worm gearboxes and worm gears</li> <li>• Worm and worm gearboxes</li> </ul>	<ul style="list-style-type: none"> <li>• Polyglycol based lubricant</li> <li>• Non water soluble</li> <li>• Low freezing point</li> <li>• High viscosity index</li> <li>• High stability against high and low temperatures</li> <li>• Minimal volatility</li> <li>• Excellent corrosion and rust protection</li> </ul>

MINERAL OIL     
 SYNTHETIC OIL     
 BIODEGRADABLE OIL




PRODUCT	SPECIFICATION/ LEVEL OF QUALITY	APPLICATIONS	PROPERTIES
<b>AIR BASIC</b> 32 - 46 - 68 - 100 - 150	DIN-51506-VDL (Compressors) DIN-51524, PART 2 (Hydraulics) AFNOR NFE 48603 (HM) (Hydraulics)	<ul style="list-style-type: none"> <li>Systems requiring low carbonaceous deposit contents with good anti-wear protection</li> <li>Servo valves requiring special filterability characteristics</li> <li>screw, rotary vane or reciprocating compressors and vacuum pumps</li> </ul>	<ul style="list-style-type: none"> <li>Specially manufactured ash-free and Zinc-free oil</li> <li>High oxidation stability</li> <li>High rust protection</li> <li>No foaming and easy demulsibility</li> </ul>
<b>AIR PLUS</b> 46 - 68 - 100 - 150 - 220	DIN - 51 506 -VDL DIN - 51524 , PART 2 AFNOR NFE 48603 (HM)	<ul style="list-style-type: none"> <li>They reduce energy consumption and lower noise levels</li> <li>Screw, rotary vane or reciprocating compressors and vacuum pumps</li> </ul>	<ul style="list-style-type: none"> <li>Specially manufactured ash-free and zinc-free oil.</li> <li>High oxidation stability.</li> <li>High rust protection</li> <li>No foaming and easy demulsibility.</li> <li>Systems requiring low carbonaceous deposits with good anti-wear protection.</li> <li>Servo-valves requiring special filterability characteristics</li> </ul>
<b>AIR PREMIUM PAO</b> 46 - 68 - 100 - 150 - 220 320	DIN-51506- VCL y VDL	<ul style="list-style-type: none"> <li>Screw, rotary vane or reciprocating compressors and vacuum pumps</li> </ul>	<ul style="list-style-type: none"> <li>High-tech additives</li> <li>Oxidation stability</li> <li>Low consumption</li> <li>Excellent demulsibility</li> <li>Excellent deaeration</li> <li>Good wear protection</li> <li>Very low carbon build-up</li> <li>High corrosion protection</li> <li>Good compatibility with seals and paints</li> <li>Extends compressor life</li> </ul>
<b>AIR SINT PLUS</b> 46 - 68 - 100 - 150 - 220	DIN-51506- VCL y VDL ISO 6743-3L-DAC y DAJ	<ul style="list-style-type: none"> <li>Screw, rotary vane or reciprocating compressors and vacuum pumps with permanent or vacuum pumps in continuous duty or with long oil change intervals</li> </ul>	<ul style="list-style-type: none"> <li>100 % ester based oil</li> <li>Very high detergency</li> <li>High oxidation and corrosion resistance</li> <li>Good anti-wear protection and minimal evaporation</li> <li>Extends oil life</li> <li>High viscosity index</li> <li>Excellent de-aeration</li> <li>Specially designed for MATTEL vane compressors</li> </ul>
<b>AIR PLUS PAO</b> 46 - 68 - 100 - 150	DIN 51506 VCL y VDL ISO 6743-3A- DAG, DAH y DAJ	<ul style="list-style-type: none"> <li>Screw, rotary vane or reciprocating compressors and vacuum pumps with permanent or vacuum pumps in continuous duty or with long oil change intervals</li> </ul>	<ul style="list-style-type: none"> <li>Oxidation and corrosion stability</li> <li>Long oil life and change periods</li> <li>Very high detergency</li> <li>Lower oil consumption due to low volatility and high flash and autoignition points</li> <li>Excellent deaeration and demulsibility</li> <li>Good anti-wear protection</li> <li>Virtually no tendency to carbon formation</li> <li>Very good compatibility with seals and paints</li> <li>Extends compressor and pump life in hydraulic circuits</li> </ul>


MINERAL OIL


SYNTHETIC OIL

BIODEGRADABLE OIL



PRODUCT	SPECIFICATION/QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>BIOHIDRAULIC HEES</b> 15 - 22 - 32 - 46 - 68	ISO 15380 class HEES ISO 6743/4 class HEES DIN ISO 15380 HVLP DIN 51524/3 HVLP except TOST. VDMA 24568 class HEES	<ul style="list-style-type: none"> <li>Hydraulic systems</li> <li>CNC, presses, shears</li> <li>Machinery where there is a risk of contamination</li> </ul>	<ul style="list-style-type: none"> <li>Very good Extreme Pressure characteristics</li> <li>Very high viscosity index and its viscosity will not be reduced by shearing</li> <li>High chemical stability, with high resistance to ageing</li> <li>Very high flash and ignition point</li> <li>Miscible with mineral oils</li> </ul>
<b>AEG</b> 32 - 46 - 68 - 100 - 150 - 220 320 - 460 - 680 - 1000 	ISO 6743 / 4HM DIN 51517 / 2CL DIN 51502 - CGLP GRUPO DANOBAT as a rule ISO / TR 3498 category ISO-LAN 68 a 220	<ul style="list-style-type: none"> <li>Hydraulic systems with no special requirements</li> <li>Closed spur, helical, helical-bevel and worm gears carrying light loads</li> <li>Reversed tooth and roller guides and chains</li> <li>Plain and rolling bearings operating at medium speeds and loads</li> </ul>	<ul style="list-style-type: none"> <li>Corrosion and oxidation stability</li> <li>Excellent demulsibility</li> </ul>
<b>BULL HR</b> 2 - 5 - 10 - 15 - 22 - 32 46 - 68 - 100 - 150 - 220	ISO 11158 HM y HR AFNOR NFE 48603- HM y HR CINCINNATY LAMB-MILACRON P-68, 69 , 70 DENISON HF-2, HF-1 y HF-0 VICKERS M-2952-S / M-2950-S/ I-286-S3 GRUPO DANOBAT for ISO 32 a 150	<ul style="list-style-type: none"> <li>Hydraulic systems and small mechanisms requiring high precision.</li> <li>Developed for use in hydraulic systems and circuits with hydrostatic systems that need viscosity improver to withstand pressure at different temperatures without changing the way they work.</li> </ul>	<ul style="list-style-type: none"> <li>High oxidation resistance, wear resistance and corrosion protection</li> <li>High viscosity index</li> <li>Low freezing point facilitates work in winter and low temperature systems.</li> <li>Microfiltration to safety level, with filter fitted with magnetic pre-filtration to ensure retention of lower micron metallic particles</li> </ul>
<b>BULL HLP</b> 22 - 32 - 46 - 68 - 100	DIN 51524 parte 2 (HLP) AFNOR NFE 48603-HL.	<ul style="list-style-type: none"> <li>Hydraulic systems operating at high working pressures</li> </ul>	<ul style="list-style-type: none"> <li>Antioxidant</li> <li>Anti-wear</li> <li>Friction reduction and anti-foaming.</li> <li>Prevents sludge formation</li> <li>Good fluidity at low temperatures</li> <li>Demulsifiable with water</li> </ul>

 MINERAL OIL

 SYNTHETIC OIL

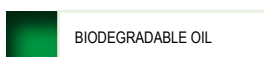
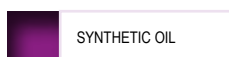
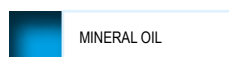
 BIODEGRADABLE OIL



PRODUCT	QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>BULL HLPD</b> 10 - 22 - 32 - 46 - 68 - 100	DIN51524 part 2 (typeHLP) DIN51.517 part 3 (CLP) MANN-698-HLPD	<ul style="list-style-type: none"> <li>Hydraulic systems operating at high working pressures</li> <li>Especially suitable for drilling systems</li> </ul>	<ul style="list-style-type: none"> <li>High corrosion protection; antioxidant, anti-wear, anti-foaming, friction-reducing, anti-wear character.</li> <li>Prevents sludge formation</li> <li>Good fluidity at low temperatures</li> <li>It has detergent and dispersing properties.</li> </ul>
<b>BULL HVLP</b> 15 - 25 - 32 - 46 - 68 - 100	ISO 6743-4 HV ISO 11158 HV DIN 51524 Parts 2 and 3 (HLP y HVLP) AFNOR NFE 48603-HV CINCINNATI MILACRON P-68, 69, 70 DENISON HF-2 y HF-0 VICKERS M-2952-S	<ul style="list-style-type: none"> <li>Recommended in hydraulic systems of any public works</li> <li>Hydraulic systems where low viscosity variation with temperature is required.</li> </ul>	<ul style="list-style-type: none"> <li>High viscosity index</li> <li>Fluid with a high percentage of additives that improve its functionality: Antioxidant, Anti-wear, Anti-rust and Anti-foaming.</li> <li>High chemical stability, with high resistance to ageing</li> <li>Hydrolytic and thermal stability</li> </ul>
<b>BULL HV EXTRA</b> 15 - 22 - 25 - 32 - 46 - 68 - 100	ISO 6743/4 HV ISO 11158 HV DIN 51524 Parts 2 and 3 (HLP y HVLP) AFNOR NFE 48603-HV CINCINNATI MILACRON P-68, 69, 70 DENISON HF-0, HF-1 y HF-2 EATON BROCHURE 03-401-2012	<ul style="list-style-type: none"> <li>Hydraulic systems where low viscosity variation with temperature is required</li> </ul>	<ul style="list-style-type: none"> <li>Antioxidant</li> <li>Anti-wear</li> <li>Anti-rust</li> <li>Defoamer</li> <li>Freezing point depressant and viscosity index improver</li> </ul>
<b>HIDROPOC-03J</b>	ISO6743-4HV DIN51524Partes3HVLP AFNORNFE48603-HV POCLAINP00552-13P(P110-32-03J) CINCINNATIMILACRONP-70 EATONVICKERSM-2952-S(which includes: M-2950-Mobile hydraulic systems and I-286-I-286-Industrial hydraulic systems) MASSEYFERGUSONM1116	<ul style="list-style-type: none"> <li>Especially for public works, mining and similar machinery where compliance with POCLAINP00552-13P is required.</li> <li>Hydraulic systems where low viscosity variation with temperature and extreme pressure is required.</li> </ul>	<ul style="list-style-type: none"> <li>Hydraulic fluid made from ultra-refined bases (hydrogenated and dewaxed), hence its high chemical stability for hydraulic controls and outdoor hydrostatic systems.</li> <li>High viscosity index</li> <li>High shear strength</li> </ul>

# ACEITES NEUMÁTICOS

PRODUCTO	ESPECIFICACIÓN/ NIVEL DE CALIDAD	APLICACIONES	PROPIEDADES
<b>AIR SN</b> 22 - 32 - 46 - 68 - 100 - 150 - 220 - 320 - 460 - 600	API GL-4 DENVER GARDNER JOY (RD 01) CHICAGOPEUMATIQUE (ROCKDRILL 1061) INGERSOLL RAND (ROCKDRILL 433) SIDERURGIE FRANCAISE FT 174	<ul style="list-style-type: none"> <li>Circuitos cerrados y abiertos con flujo de aire comprimido</li> <li>Excelente resultado en martillos y engrasadores neumáticos</li> </ul>	<ul style="list-style-type: none"> <li>Provisto de aditivación extrema-presión, antioxidante e inhibidor de herrumbre y corrosión, que aseguran el mejor funcionamiento y excelente protección de la maquinaria accionada por aire comprimido</li> <li>Presenta una alta adhesividad, reduciendo la formación de niebla y el consumo de aceite</li> <li>Alta capacidad de carga (EP)</li> <li>Evita efecto stick-slip, facilitando un deslizamiento suave</li> <li>Capacidad para formar emulsión estable con el agua</li> <li>Excelente comportamiento en los trabajos de perforación con agua / aire</li> </ul>
<b>AIR SN NEBULIZE</b> 22 - 32	ISO 6743 HL ISO 11158 (HL) DIN 51524 Part 1 HL, Part 2 HLP.	<ul style="list-style-type: none"> <li>Sistemas neumáticos de cosido y cerrado de sacos de semillas, cemento y áridos</li> </ul>	<ul style="list-style-type: none"> <li>Idóneo para líneas de aire comprimido y sistemas neumáticos habituales en instalaciones de niebla de aceite o por pulverización</li> <li>Excelentes propiedades antidesgaste. Capaz de reducir la fricción y proteger válvulas, cilindros y otros elementos de neumáticos frente al desgaste</li> <li>Muy estable ante la oxidación; excelente resistencia ante el envejecimiento y corrosión. No produce lodo ni residuos en elementos mecánicos del sistema</li> <li>Excelentes propiedades de desemulsión. Permite separar el agua del aceite mediante purga del agua en la instalación y evitar así que el agua alcance la superficie metálica de los componentes, protegiendo éstos de la corrosión</li> </ul>



PRODUCT	QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>WIRE BIO</b> 	OECD-301B	<ul style="list-style-type: none"> <li>• Lubrication of wire ropes in harbours and ships, forestry, agriculture, mining</li> <li>• Wherever the condition of the wire rope needs to be visualised</li> <li>• Withstands water and marine environments</li> </ul>	<ul style="list-style-type: none"> <li>• Biodegradable ester type synthetic bases.</li> <li>• Contains E.P. additives, rust inhibitors, corrosion inhibitors and adhesion agents</li> <li>• High tack and very high penetrability with excellent squeeze-off resistance to run-off</li> <li>• Penetrates and permeates the cable core</li> <li>• Provides effective greasing with a clean and neat appearance on lubricated cables and neat on lubricated cables and mechanisms</li> <li>• Keeps sheave surrounds clean and free of splashes</li> <li>• Maximum Protection against Wear, Corrosion and Rust</li> <li>• Extends regreasing times</li> </ul>
<b>WIRE SINT 480</b>	OECD-301B	<ul style="list-style-type: none"> <li>• Lubrication of wire ropes in harbours and ships, forestry, agriculture, mining</li> <li>• Wherever the condition of the wire rope needs to be visualised</li> <li>• Withstands water and marine environments</li> </ul>	<ul style="list-style-type: none"> <li>• Contains E.P. additives, rust inhibitors, corrosion inhibitors and adhesive agents</li> <li>• Penetrates and impregnates the cable core</li> <li>• Provides effective greasing with a clean and neat appearance to the neat appearance on cables</li> <li>• Keeps sheave surrounds clean, free of splashes</li> <li>• Facilitates the work of dosing and greasing</li> <li>• Maximum Protection against Wear, Corrosion and Rust</li> <li>• Does not polymerise at high temperatures or in ultra violet light.</li> </ul>
<b>LUBRITEF</b>	NSF-H1 Complies with regulations UNE - EN ISO 21469 - Machinery safety	<ul style="list-style-type: none"> <li>• Excellent for lubrication in hard-to-reach places; highly recommended for lubricating conveyors and selectors in clean industries.</li> <li>• Provides smooth and homogeneous sliding smooth and homogeneous slides on guides and spindles</li> </ul>	<ul style="list-style-type: none"> <li>• Protects the applied point with its PTFE-OIL film and due to its high adhesion to metal surfaces prevents wear and ensures longer service life of the mechanisms.</li> <li>• It is water displacing, with anti-rust and corrosion protection properties. Working temperature: -10 to 150°C</li> <li>• Withstands water jet washing well.</li> </ul>



MINERAL OIL

SYNTHETIC OIL

BIODEGRADABLE OIL



PRODUCT	THICKENER	QUALITY LEVEL	WELDING LOAD EP (KG)	WORKING TEMPERATURE, C°	PROPERTIES
<b>BIO AGRO</b> 	LITHIUM	DIN 51502 KPE2K-50 ISO 6743/9 L X-EDHA-2	200	-50 to 140	<ul style="list-style-type: none"> <li>• Excellent anti-corrosion and anti-rust qualities</li> <li>• High resistance to water washout, water and oxidation</li> <li>• Excellent mechanical stability</li> <li>• Protects against wear. Wide working temperature range</li> <li>• Good adhesion to metal</li> </ul>
<b>ALFA BIO</b> 	LITHIUM - CALCIUM	ISO 6743 DIN 51502 L - XDDHB KPEN-40	200	- 40 to 140	<ul style="list-style-type: none"> <li>• Lubricating grease specially formulated for outdoor use</li> <li>• Excellent anti-corrosion and anti-rust qualities</li> <li>• High resistance to water washout, water and oxidation</li> <li>• Optimum stability to mechanical work</li> <li>• Protects against wear and tear. Wide working temperature range</li> </ul>
<b>GRAF BIO</b> 	LITHIUM	ISO 6743 DIN 51502 L - XDDHB KPFEN - 40	250	-10 to 140	<ul style="list-style-type: none"> <li>• Biodegradable lubricating grease with a very wide range of applications and specially formulated for outdoor use.</li> <li>• Contains solid additives to withstand shock and E.P. loads</li> <li>• High wear protection</li> </ul>
<b>AGRO GRAPE HARVERSTER</b>	LITHIUM	USDA - H2	400	- 30 to 140	<ul style="list-style-type: none"> <li>• Lubricating grease with very high stability and cleanliness level</li> <li>• Specially designed for centralised lubrication of grape harvesters</li> <li>• With high oxidation stability and longer lubrication periods</li> <li>• High wear protection and extreme pressure protection</li> <li>• Extremely water-resistant and with highly active anti-rust additives</li> </ul>
<b>LITIO AGRO MOS 2</b>	LITHIUM	ISO 6743 - 9 LXBDEB2	400	-25 to 140	<ul style="list-style-type: none"> <li>• High resistance to mechanical stress</li> <li>• For all types of mechanisms and bearings</li> <li>• Suitable for wide speed and temperature ranges</li> <li>• elesa ® LITIO AGRO MOS2 contains Extreme Pressure solid additives</li> <li>• Excellent quality/performance ratio</li> <li>• Excellent pumpability for centrally lubricated mechanisms</li> <li>• Resistant to water washout and corrosion protection</li> </ul>
<b>ARIS TF</b>	LITHIUM	DIN 51502 KPF2K-20 ISO 6743-9 ISO -L-XB-CEB-2	500	-20 to 120	<ul style="list-style-type: none"> <li>• Multi-purpose lubricating grease with high addition E.P. y PTFE</li> <li>• Secures and protects machinery even on occasions when there is a lack of lubrication.</li> <li>• Lubrication of systems with shock loads (aggregate crushers and grinding in general).</li> <li>• EI PTFE, provides solid lubrication to protect the machine.</li> <li>• Optimum oxidation stability and rust protection</li> <li>• Resistance to water washout</li> </ul>
<b>AGRO EP BLUE</b>	LITHIUM	DIN 51502 KP2N-20	400	- 20 to 145	<ul style="list-style-type: none"> <li>• Extreme pressure all-purpose character for agricultural and automotive applications</li> <li>• High resistance to water washout, water and oxidation</li> <li>• Very wide operating temperature range and very high load capacity.</li> <li>• Wear protection. Wide operating temperature range</li> <li>• Extremely water resistant with highly active anti-rust additives and rust inhibitors</li> </ul>





PRODUCT	THICKENER	QUALITY LEVEL	WELDING LOAD EP (KG)	WORKING TEMPERATURE, C°	PROPERTIES
<b>AGRO EP PLUS FILM</b>	LITHIUM	DIN 51502 ISO 6743-9 L-XECEB2	400	-20 to 145	<ul style="list-style-type: none"> <li>• Particularly suitable for locations with high shock loads and loaded sliding movements</li> <li>• Very high resistance to water wash-off and high adhesion: Excellent sealing effect and protection against rust.</li> <li>• High shear stability as well as very high load capacity</li> <li>• Protects and extends the life of the mechanisms</li> </ul>
<b>LUBE OP WIRE</b>	LITHIUM	DIN 51502 KP2N-20 ISO LXBDIB2	400	- 20 to 135	<ul style="list-style-type: none"> <li>• Specially for protection and filling of prestressed steel cables</li> <li>• Filling of anchoring systems in bridge seams and ground anchorages</li> <li>• Lubrication of points subjected to water washout, preferably NLGI-2</li> <li>• High resistance to mechanical work</li> <li>• High Dropping Point</li> <li>• Oxidation and therefore ageing stability</li> <li>• Excellent rust protection</li> </ul>
<b>LUBE WATER</b>	LITHIUM - CALCIUM	DIN 51502 ISO 6743-9	400	- 20 to 120	<ul style="list-style-type: none"> <li>• Specially formulated to work on all types of mechanisms in the presence of water, washed or cooled by water</li> <li>• High adhesiveness</li> <li>• Retain their stability and consistency at all times.</li> <li>• E.P. (extreme pressure) and anti-wear properties</li> <li>• Excellent adhesion, anti-corrosion and anti-rust qualities</li> <li>• Resistance to water washout and oxidation</li> <li>• Prevents metal-to-metal contact and seizure</li> </ul>
<b>LUBE WATER TF</b>	LITHIUM - CALCIUM	MIL-G-24139 Clasificada DIN 51825- KP2N-30 ISO LXBDIB2 OTAN G-450 DEF-STAN 91-28/1 NATO G-460 XG-286	500	- 20 to 145	<ul style="list-style-type: none"> <li>• Specially formulated to work on all types of mechanisms in the presence of water, washed or cooled by water</li> <li>• High adhesiveness</li> <li>• Retains its stability and degree of consistency at all times.</li> <li>• E.P. (extreme pressure) and anti-wear properties</li> <li>• Excellent adhesion, anti-corrosion and anti-rust qualities.</li> <li>• Prevents metal-to-metal contact and seizure</li> <li>• Optimum mechanical work stability (SHELLROLLTEST)</li> </ul>
<b>CAPLEX OP</b>	CALCIUM SULPHONATE	DIN 51502 KP0P-20 ISO 6743-9 ISO -L-XCFIB-0	400	- 20 to 160	<ul style="list-style-type: none"> <li>• High base oil viscosity</li> <li>• High dropping point and tack</li> <li>• Excellent EP load carrying ability</li> <li>• Water resistance</li> <li>• Excellent wear protection in sliding, rolling and impact movements</li> <li>• High rust protection</li> </ul>
<b>COMPLEX SINT</b>	LITHIUM COMPLEX	DIN 51502 ISO 6743-9 ASTM	400	- 40 to 180	<ul style="list-style-type: none"> <li>• Lubricating grease for use in a wide range of industrial applications operating at extreme temperatures.</li> <li>• Plain bearings and rolling bearings subjected to high loads, vibrations and shocks and high temperatures</li> <li>• Anti-friction gears and bearings</li> <li>• High oxidation and grease ageing stability</li> <li>• Excellent wear and corrosion protection</li> </ul>
<b>COMPLEX TECH</b>	LITHIUM COMPLEX	DIN 51502 ISO 67 43-9	400	- 20 to 160	<ul style="list-style-type: none"> <li>• Highly recommended for plain bearings and bearings subjected to high loads, vibrations and shocks.</li> <li>• Anti-friction gears and bearings</li> <li>• Allows a wide operating temperature range and high oxidation stability allowing longer relubrication times.</li> <li>• High load carrying capacity and high dropping point makes it perfect for applications where high shock loads and high temperature occur.</li> <li>• Extremely water resistant with highly active anti-rust additives and rust inhibitors</li> </ul>
<b>COBRIX</b>	COPPER	DIN51502-KPF2U-20	400	- 20 to 150 continuously - 20 to 200 flashing	<ul style="list-style-type: none"> <li>• High performance assembly grease</li> <li>• Lubrication of hydraulic hammer drill pointers</li> <li>• Excavator shovel bolts</li> <li>• Well bore pipe threads</li> </ul>



PRODUCT	QUALITY LEVEL	COLOR	WORKING TEMPERATURE, C°	PROPERTIES
<b>PASTA BIO CERÁMICA</b> 	DIN 51502 KPEP-60	PEARL GREY	-50 to 2.000	<ul style="list-style-type: none"> <li>• Biodegradable paste with high load carrying capacity, low coefficient of friction and high solids content.</li> <li>• Optimum moisture and salt water resistance characteristics</li> <li>• Protects against environmental corrosion</li> <li>• Preserves wear mechanisms and prevents scuffing</li> </ul>
<b>PASTA ALUMINIO</b>	DIN 51502 KPF2U- 60	GREY METALLIC	- 20 to 700	<ul style="list-style-type: none"> <li>• Provides hermetic sealing of connections, protects against rust and oxidation</li> <li>• Electrically conductive. Assembly of shafts, fittings, screws, friction bearings, stud bolts, anchor pins, spindles, chains and guides</li> </ul>
<b>PASTA COBRE HEAVY</b>	DIN 51502 KPF2U- 40	COPPER	- 45 to 1100	<ul style="list-style-type: none"> <li>• Non-drip paste, consisting of a fluid and solid lubricants forming a uniform visco-static matrix that prevents leakage, internal corrosion and welding between adjacent components</li> <li>• Allows for temperature transfer, both in heat dissipation and heat transfer in applications such as probe filling</li> <li>• Corrosion protection</li> </ul>
<b>PASTA COBRE MEDIUM</b>	DIN 51502 KPF2U- 30	COPPER	- 30 to 1000	<ul style="list-style-type: none"> <li>• Provides a tight seal on connections, achieving tightening torques similar to tightening torques; Protects against oxidation; Electrically conductive; prevents sulphation</li> <li>• Electrically conductive; Prevents sulphation; Lubricates threads, gas-flow torch nozzles, thread lockers, studs, etc.</li> <li>• Lubricant for threads, gas flow torch nozzles, studs, anchor pins, bolts, nuts and bolts etc.</li> </ul>
<b>PASTA COBRE LIGHT</b>	DIN 51502 KPF2U- 20	COPPER	-20 to 150 Continuous grease -20 to 200 Flashing -20 to 900 Anti-grip	<ul style="list-style-type: none"> <li>• Electrically conductive</li> <li>• Drilling collars</li> <li>• Gripper clamps for steel and glass making</li> </ul>
<b>PASTA CERÁMICA</b>	DIN 51502 KPFC1U-50	COPPER	- 50 to 2000	<ul style="list-style-type: none"> <li>• Ceramic micro-technology paste provides protection against extreme pressure, fretting corrosion and frictional corrosion.</li> <li>• No carbonisation residues. Die assembly in feed pelletisers. Plastic and aluminium die heads, hot runners, injection and extrusion nozzles.</li> <li>• Facilitates assembly and disassembly of stainless steel threaded connections without subsequent cleaning, valves, nails, pins, gaskets and elastomeric, anti-stick-slip guides.</li> <li>• Very useful in processes where metals can be a nuisance</li> </ul>
<b>PASTA PAG MOS2</b>	DIN 51502 KPF1U-40	COPPER	- 40 to 500	<ul style="list-style-type: none"> <li>• Synthetic polyalkylene glycol base with a high concentration of molybdenum disulphide.</li> <li>• No gums or varnishes, thermal decomposition is volatile</li> </ul>
<b>PASTA SILICONA MOS2</b>	DIN 51502 KPFSI2U-2	BLACK	- 25 to 500	<ul style="list-style-type: none"> <li>• Special silicone base that generates no gums or resins</li> <li>• Rollers, bearings and packings operating at high temperatures and low speeds</li> </ul>

## CABLE GREASES

PRODUCT	SPECIFICATION/QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>PROTECT WIRE</b>	ETAG 013-2002 Bulletin 89 FIB-Fédération Internationale du Béton	<ul style="list-style-type: none"> <li>• Heat to allow it to impregnate the inner strands of the cable</li> <li>• Keeps the foot of the sheaths free of stains due to the high stability of the wax</li> <li>• Easy to apply using standard cable manufacturing procedures</li> <li>• Main application is as filler and protection of pre-stressed steel wire rope</li> </ul>	<ul style="list-style-type: none"> <li>• For industrial and public works applications</li> <li>• Extends the life of structures due to high corrosion protection</li> <li>• Excellent corrosion protection in saturated humidity and salt water environments</li> <li>• Highly water-repellent character which, together with a good filling of the sheaths, completes the perfect protection of the cables.</li> <li>• Guarantees a reduction of friction between the cable strands, which results in a longer cable lifetime</li> <li>• High sealing effect on the sheaths of pre-stressed structure stay ropes</li> </ul>



PRODUCT	SPECIFICATION/QUALITY LEVEL	APPLICATIONS	PROPERTIES
<b>PROTECT WIRE WAX</b>	ETAG 013 Bulletin 89 FIB-Fédération Internationale du Béton	<ul style="list-style-type: none"> <li>• Easy to apply using standard cable manufacturing procedures.</li> <li>• Main application is as filler and protection of prestressed steel wire ropes</li> <li>• Applicable for protection of static or moving cables</li> </ul>	<ul style="list-style-type: none"> <li>• Prolongs the life of the structures due to high corrosion protection</li> <li>• Keeps the base of the sheaths free of stains due to high wax stability</li> <li>• Lubrication of cables subjected to water and salt water washdowns</li> <li>• Excellent corrosion protection in saturated humidity and salt water environments</li> </ul>

## CLEANING AND PERSONAL CARE

PRODUCT	NATURE	APPLICATION	PROPERTIES
<b>CLEAN BIO A4 UNIVERSAL</b> 	ACUOSO	CLEANING	Concentrated alkaline water-soluble degreaser based on biodegradable surfactants. Cleans surfaces containing oil, grease, carbon and all types of dirt. Restores the original appearance. Formulated on the basis of user and environmentally friendly compounds. Fast evaporation. Dosage: Cold 5-20 % - Hot 40-80 °C 1-10 %.
<b>CLEAN A8 CARBONILLAS</b> 	ACUOSO	CLEANING	Energetic Degreaser. Fast-acting alkaline detergent and degreaser. Two-phase product. Penetrates and reacts chemically, dissolving burnt oils and greases, carbon and all types of very severe dirt. Restores the original beauty of the equipment. Formulated with biodegradable surfactants and high degreasing power
<b>CLEAN BIO FOAM FREE</b> 	ACUOSO	CLEANING	Alkaline degreaser. Specially designed for industrial cleaning of metal surfaces and providing good cleaning at low cost. Very low toxicity products. For pressurised application without foam problems. In ultrasonic baths allows deep cleaning with very low doses
<b>CLEAN BIO PARABRISAS</b> 	ACUOSO	WINDOW CLEANER	Provides anti-freeze protection down to -10°C. Ready-to-use product. Biodegradable. Very low toxicity product. Gives excellent results in the cleaning of stainless steel. Cleans glass, plastic, enamelled and painted surfaces... Allows easy and effective cleaning of metal surfaces: chrome, nickel-plated, stainless steel,... Pour the contents of the bottle directly into the windscreen washer tank, without diluting. Leaves no traces
<b>CLEAN A3 CIRCUITO</b>	ACID	CLEANING	Scale remover-cleaner. It is a product particularly designed to combat scale and oxides in water cooling circuits. It lifts the residues and drags them to the filter where they can be collected and removed. It increases performance by removing alkaline and calcareous obstructions from cooling circuits. Allows sediment control. Solubilises metal oxides. Compatible with steel, galvanised steel and aluminium. Cleaning of automotive radiators and car rims. Cleaning of sanitary ware, floors and walls with very deteriorated tile separations and high level of dirt
<b>CLEAN HORMIGÓN</b>	ACID	CLEANING	Cleaning of stone after construction work, restoration of buildings, cleaning of concrete mixers, concrete mixer trucks and construction site tools. When properly dosed, they are powerful and effective strippers for surfaces containing lime, plaster, cement or stone agglomerates
<b>CLEAN A3 ÓXIDO INTENSO</b>	ACID	CLEANING	Highly effective product for cleaning and de-rusting of sheet metal prior to metal surface protection processes: painting, phosphating, etc. It is a variant with a higher concentration for severe jobs
<b>CONTACT CLEANER</b>	SOLVENT	CLEANING	High volatility and high penetrability. Zero residue. Does not attack the most common plastics. In case of doubt it is recommended to test before using the product intensively. Cleaning of machinery, parts in process, metal surfaces before painting, phosphating, chains, cleaning and polishing of stainless steel. Electrical contact: Cleaning of motors, switchboards, circuits, relays, motors, coils, connectors, terminals, electrical contacts in general
<b>CLEAN PASTA MANOS</b>	ACUOSO	PERSONAL CARE	Degreasing paste with non-abrasive particles and fresh scent, very effective for cleaning hands in workshops. Removes especially grease, inks and carbon deposits. Leaves hands soft and perfumed as a result
<b>CLEAN GEL MANOS PLUS</b>	SOLVENT	PERSONAL CARE	Viscous gel with particles, with pine scent. Removes all types of oil, carbon and industrial grease. The presence of natural soap combined with surfactants allows a very high degree of cleanliness and develops a softening action on the epidermis



*HITECH LUBRICANTS*

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