Aluchem's Lubrication - Catalogue Asia 2022

Oil lubrication

Compressor oils

Application	Industry	Lubricant	Description	Viscosity ISO VG	Temperature range
Industrial oils					
Rotary screw compressors	General	**Alusynt C**	Characteristics: full synthetic ester + PAO based oil. Oil change intervals up to 9,000 hours.	32 to 150	- 25°C + 180°C
Reciprocating compressors and vacuum pumps	General	**Alusynt CE**	Characteristics: full synthetic ester based oil. Oil change intervals up to 8,000 hours.	32 to 320	- 40°C + 200°C
Vacuum pumps (operating under extreme conditions)	General	**Alusynt CE 500 PV**	Characteristics: full synthetic ester based oil Oil change intervals up to 5,000 hours.	100	- 20°C + 210°C
Rotary compressor "INGERSOLL-RAND CENTAC"	General	**Alusynt CP 32**	Characteristics: full synthetic PAG (polyglycol) based oil. Oil change intervals up to 30,000 hours.	32	- 40°C + 200°C
Screw compressor "INGERSOLL-RAND SSR"	General	**Alusynt CP 46**	Characteristics: full synthetic PAG (polyglycol) based oil. Oil change intervals up to 8,000 hours.	46	- 35°C + 210°C
Compressors processing air for human respiration (breathing-air compressors)	General	**Alusynt CE Plus**	Characteristics: full synthetic ester based oil. Oil change intervals up to 5,000 hours.	100/150	- 20°C + 210°C
Refrigerating compressor oils					
Refrigerating compressors working with ammonia (R717)	General	**Alusynt CF P**	Characteristics: long-life full synthetic oil. Oil change intervals up to 8,000 hours.	32 to 150	- 45°C + 210°C
Refrigerating compressors working with HFC refrigerants (R32, R134A, R404A, R422A, etc...)	General	**Alusynt CF E**	Characteristics: long-life full synthetic ester based oil. Oil change intervals up to 10,000 hours.	32 to 150	- 50°C + 210°C
Food grade oils					
Compressors and vacuum pumps	Food & pharma	**Alusynt FGC**	Characteristics: full synthetic PAO based oil. Oil change intervals up to 7,000 hours for screw compressors, 5,000 hours for reciprocating compressors, 3,000 hours for vacuum pumps. NSF H1 certified.	32 to 150	- 50°C + 180°C

Gears oils

Application	Industry	Lubricant	Description	Viscosity ISO VG	Temperature range
Industrial oils					
Gears, gearboxes and high loaded bearings (also operating under extreme conditions)	General	**Alusynt X-EP**	Characteristics: full synthetic ester based oil. DIN, ANSI/AGMA designation: CLP E, EP oil. ENERGY SAVING OIL.	68 to 1000	- 30°C + 210°C
Gears, looms, rotary lobe blowers	General	**Alusynt H-EP**	Characteristics: full synthetic PAO based oil. DIN, ANSI/AGAMA designation: CLP HC, EP oil.	68 to 1000	- 25°C + 190°C
Gears, worm gearboxes, oil bath bearings (also operating under extreme conditions)	General	**Alusynt GCL**	Characteristics: full synthetic PAG (polyglycol) based oil. DIN, ANSI/AGAMA designation: CLP PG, EP oil.	100 to 1500	- 35°C + 240°C
Gears, transmission, oil bath bearings	General	**Unionplast R-EP**	Characteristics: full synthetic based oil. DIN, ANSI/AGAMA designation: CLP HC, EP oil.	68 to 1000	- 20°C + 140°C
Weaving looms	Textile	**Syntene TLG**	Characteristics: full synthetic based oil. DIN, ANSI/AGAMA designation: CLP HC, EP oil. Global Organic Textile Standard 5.0 (2.3.1 metal free).	150 to 460	- 20°C + 180°C
Open gears	General	**Syntene OG 18**	Characteristics: advanced synthetic lubricant. Graffite and solid particles free. Transparent fluid.	n.a.	10°C + 120°C
Food grade oils					
Gears, oil bath bearings and chains	Food & pharma	**Alusynt FGR**	Characteristics: full synthetic PAO based oil. DIN designation: CLP HC. NSF H1 certified.	100 to 680	- 45°C + 160°C
Gears, oil bath bearings and chains (operating under high loads and temperature)	Food & pharma	**Alusynt FGR PA**	Characteristics: full synthetic PAO based oil. DIN designation: CLP HC, EP oil. NSF H1 certified.	100 to 460	- 40°C + 200°C
Gears, transmissions and chains (operating at very low temperature)	Food & pharma	**Alusynt FGR Ice**	Characteristics: full synthetic PAO based oil. DIN designation: CLP HC, EP oil. NSF H1 certified.	5 to 32	- 55°C + 180°C
Gears, worm gearboxes, oil bath bearings (also operating under high loads and temperature)	Food & pharma	**Alusynt PSL**	Characteristics: full synthetic PAG (polyglycol) based oil. DIN designation: CLP PG, EP oil. NSF H1 certified.	100 to 1500	- 35°C + 230°C

Biodegradable oils					
Gears, gearboxes and bath oil bearings (operating in environmentally critical conditions)	General	**ALUbio Oil G**	Characteristics: full synthetic biodegrabable ester based oil. Certified as "easily biodegradable" according to OECD 301-B.	150 to 460	- 20°C + 160°C

Hydraulic oils

Application	Industry	Lubricant	Description	Viscosity ISO VG	Temperature range
Industrial oils					
Hydraulic systems (also operating under extreme conditions)	General	**Alusynt Dinal PS**	Characteristics: full synthetic based oil.	15 to 150	- 35°C + 180°C
Food grade oils					
Hydraulic systems (also operating under extreme conditions)	Food & pharma	**Alusynt FGH**	Characteristics: full synthetic PAO based oil. NSF H1 certified.	32 to 100	- 50°C + 180°C
Biodegradable oils					
Hydraulic systems (operating in environmentally critical conditions)	General	**ALUbio Oil H**	Characteristics: full synthetic biodegrabable ester based oil. Certified as "easily biodegradable" according to OECD 301-B.	22 to 100	- 30°C + 160°C
Hydraulic systems and turbines where it's requested a long life of the oil. (operating in environmentally critical conditions)	General	**ALUbio Oil H Plus**	Characteristics: full synthetic biodegrabable ester based oil. Certified as "easily biodegradable" according to OECD 301-B.	32 to 68	- 30°C + 170°C
Hydraulic systems operating in conditions where the use of an oil may contribute to trigger fires, as a result of leakage or breakage of pipes in the presence of flames/sparks	General	**ALUbio Oil HFR**	Characteristics: full synthetic biodegrabable ester based oil. Certified as "easily biodegradable" according to OECD 301-B. FIRE RESISTANT hydraulic fluid.	22 to 100	n.a.

Chains oils

Application	Industry	Lubricant	Description	Viscosity ISO VG	Temperature range
Industrial oils					
Chains, ropes, joints, precision mechanisms (multipurpose)	General	**Alusynt Microflon**	Characteristics: special synthetic lubricant with PTFE.Multipurpose, "dust-free" lubricant. NSF H1 certified.	n.a.	- 50°C + 250°C
Chains operating at very high temperature	General	**Alusynt HTCL**	Characteristics: full synthetic ester based oil.	100 to 460	- 25°C + 250°C
Chains operating under heavy loads	General	**Alusynt CT**	Characteristics: full synthetic based oil.	150 to 1000	- 25°C + 200°C
Food grade oils					
Chains, ropes, joints, precision mechanisms (multipurpose)	Food & pharma	**Alusynt Microflon**	Characteristics: special synthetic lubricant with PTFE.Multipurpose, "dust-free" lubricant. NSF H1 certified.	n.a.	- 50°C + 250°C
Chains operating at very high temperature	Food & pharma	**Alusynt EF-T**	Characteristics: full synthetic ester based oil. NSF H1 certified.	150 to 460	- 20°C + 250°C
Chains operating at very low temperature	Food & pharma	**Alusynt FGR Ice**	Characteristics: full synthetic PAO based oil. DIN designation: CLP HC, EP oil. NSF H1 certified.	5 to 32	- 55°C + 180°C

Other oils

Application	Industry	Lubricant	Description	Viscosity ISO VG	Temperature range
Slideways, shoes, steering columns, screws	General	**Unionplast G TF**	Characteristics: special synthetic lubricant with PTFE.Anti "stick-slip" and free of vibration or jamming.	32 to 460	- 20°C + 180°C
Multipurpose, general maintenance	General	**Degripan D 82**	Characteristics: releasing agent with excellent penetrating, lubricating and protective properties.	n.a.	- 30°C + 160°C
Pneumatic line lubricators, applications that generally require a low viscosity oil	Food & pharma	**Alusynt FGL**	Characteristics: full synthetic based oil. NSF H1 certified.	5 to 22	- 60°C + 200°C
Any application where the contact with the food is systematic (conveyers belts, cooking surfaces, food moulds etc...)	Food & pharma	**Alusynt FGE 14**	Characteristics: full synthetic ester based oil. NSF 3H certified.	n.a.	n.a.

Grease lubrication

	Application	Industry	Lubricant	Description	NLGI grade	Temperature range
	Industrial greases					
LITHIUM COMPLEX	High speed bearings (also operating at high temperature)	General	**Alugrease Super**	Characteristics: lithium complex synthetic ester grease. Ivory white. Base oil viscosity 120cSt.	00 to 3	- 25°C + 220°C
	Very high speed bearings	General	**Alugrease Super HS**	Characteristics: lithium complex synthetic ester grease. Ivory white. Base oil viscosity 25cSt.	2	- 50°C + 180°C
	High loaded bearings (also operating at high temperature)	General	**Alugrease Super HD**	Characteristics: lithium complex synthetic ester grease. Ivory white. Base oil viscosity 300cSt.	2	- 27°C + 200°C
	Bearings operating at very high temperature and under high loads/mechanical stress	General	**Alugrease AT FX**	Characteristics: lithium complex synthetic ester + PTFE grease. White. Base oil viscosity 350cSt.	2	- 27°C + 250°C
	Multipurpose	General	**Uniongrease NA**	Characteristics: special lithium complex advance grease. Amber. Base oil viscosity 460cSt.	0 to 3	- 20°C + 180°C
	Bearings operating under extreme loads/mechanical stress (also at high temperature)	General	**Syntene GS-X**	Characteristics: special lithium complex advance grease. Dark grey. Base oil viscosity 680cSt.	1/2	- 20°C + 200°C
AL COMPLEX	Bearings operating under water-washout / steam jets (also at high temperature)	General	**Alugrease BA**	Characteristics: special aluminium complex advance grease. White. Base oil viscosity 1000cSt.	0/1/2	- 20°C + 220°C
	Bearings in the washing machines	Washing machines	**Alugrease WM**	Characteristics: special aluminium complex synthetic grease. White. Base oil viscosity 1000cSt.	0/1/2	- 20°C + 220°C
	Bearings operating at high temperature and under mechanical stress (very suitable for automatic lubrication systems)	Steel industry	**Aluplex C**	Characteristics: special aluminium complex advance grease. Amber. Base oil viscosity 100/220/320/460cSt.	0/1/2	- 20°C + 230°C
OTHERS	Bearings working under extreme conditions	General Food & pharma	**Aluflos G**	Characteristics: very advanced PFPE synthetic grease. White. NSF H1 certified.	1/2	- 30°C + 290°C
	Valves, stems, seals, etc..., in oxigen storage and distribution systems	General	**Aluflos OX**	Characteristics: PFPE oxigen-combatible synthetic grease. White. Certified BAM (Bundesanstalt fur Materialforschung)	1/2	- 40°C + 220°C
	Bearings operating under extreme loads/mechanical stress (also at high temperature & water-washout)	General	**Syngrease CS HV**	Characteristics: special calcium sulfonate complex grease. Light brown. Base oil viscosity 100/220/320/460cSt.	2	- 25°C + 180°C
	Food grade greases					
AL COMPLEX	Multipurpose	Food & pharma	**Alugrease FG HV**	Characteristics: aluminium complex synthetic grease. White. Base oil viscosity 200cSt. NSF H1 certified.	0/1/2	- 40°C + 160°C
	High speed bearings	Food & pharma	**Alugrease G 93 A**	Characteristics: aluminium complex synthetic grease. White. Base oil viscosity 68cSt. NSF H1 certified.	0/1/2	- 40°C + 150°C
	Bearings operating at high speed and high or low temperature	Food & pharma	**Alugrease AS**	Characteristics: aluminium complex synthetic + PTFE grease. White. Base oil viscosity 68cSt. NSF H1 certified.	0/1/2	- 50°C + 180°C
	Bearings operating at very high temperature and under high loads/mechanical stress	Food & pharma	**Alugrease AS HT**	Characteristics: inorganic synthetic + PTFE grease. White. Base oil viscosity 550cSt. NSF H1 certified.	1/2/3	- 35°C + 210°C
	Bearings operating under water-washout / steam jets	Food & pharma	**Alugrease BA FG**	Characteristics: aluminium complex synthetic grease. White. Base oil viscosity 400cSt. NSF H1 certified.	00 to 2	- 25°C + 160°C
	Biodegradable greases					
BIO	Plain and roller bearings rolling heavily loaded at high temperature, couplings lubrication (operating in environmentally critical conditions)	General	**ALUbio Grease EP**	Characteristics: lithium complex biodegrabable grease, full synthetic. Brown. Certified as "easily biodegradable" according to OECD 301-B.	0/1/2	- 20°C + 150°C
	Plain and roller bearings, multipurpose (operating in environmentally critical conditions)	General	**ALUbio Grease HV**	Characteristics: special biodegrabable grease, full synthetic. Light brown. Certified as "easily biodegradable" according to OECD 301-B.	0/1/2	- 20°C + 150°C

Areosol lubrication

Application	Industry	Lubricant	Description	Viscosity ISO VG	Temperature range
Chains, ropes, joints, precision mechanisms (multipurpose)	General Food & pharma	**Alusynt Microflon Spray**	Characteristics: special synthetic lubricant with PTFE.Multipurpose, "dust-free" lubricant. NSF H1 certified.	n.a.	- 50°C + 250°C
Multipurpose, general maintenance	General Food & pharma	**Degripan FG Spray**	Characteristics: releasing agent with excellent penetrating, lubricating and protective properties. NSF H1 certified.	n.a.	- 30°C + 120°C
General purpose lubricant, in a wide temperature range, deep-frost industry	Food & pharma	**Alusynt FGL 68 Spray**	Characteristics: full synthetic based oil. NSF H1 certified.	68	- 60°C + 210°C
Screw actuators, cams, slideways, chains, low speed plain and roller bearings	Food & pharma	**Alugrease BA FG Spray**	Characteristics: aluminium complex synthetic water repellant grease spray. White. NSF H1 certified.	n.a.	- 20°C + 160°C
Multipurpose, general maintenance	General	**Degripan Spray**	Characteristics: releasing agent with excellent penetrating, lubricating and protective properties.	n.a.	- 30°C + 160°C
Dry lubrication of parts that are hard to access with normal lubrication systems or for operations at temperatures that traditional lubricants cannot stand	General	**Alugraf M 18 Spray**	Characteristics: molybdenum bisulphide aerosol, pure, lamellar, micronized with binding substances. 15 m/sec maximum slip velocity, maximum loads of 28,000 kg/cm2.	n.a.	- 200°C + 360°C
Dry, low friction lubrication, in dusty environment or where an oily film must be avoided or in wet environment or at temperatures forbidden to traditional lubricants	General	**Alugraf G 17 Spray**	Characteristics: high-purity, micronized, solid graphite aerosol, compounded with binding agents. 4 m/sec maximum slip velocity.	n.a.	- 100°C + 650°C