



FOOD GRADE LUBRICANTS

Guarantees purity of foodstuffs



10 times
the life

Guaranteed to meet International Standards

✓ NSF Registered ✓ AQIS Registered ✓ New Zealand Food Safety ✓ Halal Approved

So what is different about food lubricants?

Lubricants used in the engineering industry are made from refined mineral oils containing performance additives.

These oils are not suitable for use in the food industry because they are toxic.

For many years the lubrication of food machinery was limited to high purity medicinal or pharmaceutical white oils, which are also used in the manufacture of cosmetics and medicines.

Although these oils meet the essential purity standards, they are poor lubricants and cause high rates of wear in food processing machinery. They also oxidise rapidly and have a short service life.

Many lubricant suppliers are still marketing food lubricants made from pharmaceutical white oils because they are cheap.

What are the special needs of the food industry?

Food machinery must meet strict standards of cleanliness and strong chemical cleaners are frequently used. Corrosion and high wear rates are always a problem.

The lubricant must protect against these hazards, and it must also be non-toxic because it may come into accidental contact with the food.

Are Anglomoil lubricants guaranteed to perform?

Yes !!! ---- all the Anglomoil food grade lubricants are registered with national and international food authorities.

NSF National Sanitation Foundation of America examines and registers the formulations of lubricants suitable for the food industry. Registered products are listed on their international web site.

AQIS Australian Quarantine and Inspection Service performs a similar service for lubricants used in Australia.

NZ Food Safety Authority checks products used in New Zealand

HALAL Guardian of Moslem standards

Is there a modern answer?

Modern technology has produced the answer:-

Synthetic Lubricants

There are many types of synthetic oils, but one group, Poly Alpha Olefin (PAO) is of such high purity that it can be used for the lubrication of food machinery, and incidental contact with food is permitted.

PAO possesses high resistance to oxidation and can tolerate high temperatures. It has excellent lubricating properties, a very high viscosity index and is compatible with mineral oils.

PAO is widely used for engine oils, gears, compressors, hydraulic oils etc because of these high performance properties.

The Anglomoil range of food machinery lubricants is manufactured with PAO base oils and contains specially selected additives which are certified non toxic.

Anglomoil food machinery oils will outlast and outperform mineral base oils many times over, giving up to 10 times the life with greatly reduced wear rates.

Anglomoil Food Grade Lubricants

Anglomoil SFG Gear Oil

ISO 220, 320, 460 and 680. Premium synthetic gear oils formulated from PAO base oils and special additives. Recommended for gear sets, bearings and circulating oil systems.

Anglomoil SFG Compressor Oils

ISO 46 and 68. Synthetic oils specially formulated for rotary compressors operating under severe conditions.

Anglomoil SFG Hydraulic Oils

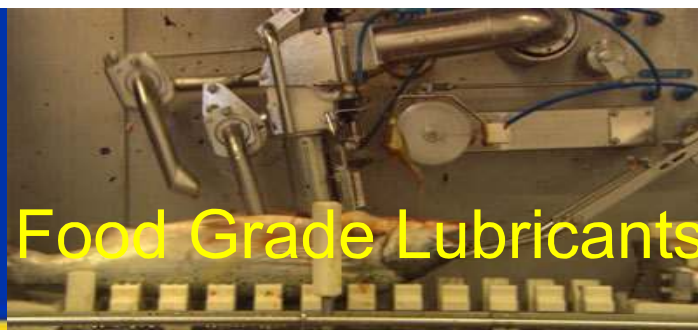
ISO 32 46 and 68. Synthetic oils for heavy duty hydraulic systems. May also be used in bearings, circulating systems, canning and bottling machinery.

Anglomoil Food Machinery Grease and Food Machinery Grease HD

Both greases are NLGI 2 and use calcium sulphonate soap base. Exceptional load carrying capacity with outstanding protection against corrosion and resistance to water wash-out is a feature of all calcium sulphonate greases. Food Machinery Grease HD contains a high viscosity synthetic PAO base oil for extra long life and resistance to high temperature.

Anglomoil White Oil

ISO 15 and 68. High purity mineral oils, refined to meet British and U.S. Pharmacopoeia standards for medicinal quality oils. May be used in many food manufacturing processes where purity and lower costs are more important than performance.



White Oils (ISO 15 and 68)

Anglomoil White Oils are highly refined mineral oils that consist of saturated non-polar hydrocarbons. They are hydrophobic, essentially colourless, tasteless and odourless.

Standards: Conform to requirements of British 2002 Liquid Paraffin and US 25 NF 19 Mineral Oil/Light Mineral Oil (85)

Pharmacopoeias: Meets or exceeds US FDA 21 CFR 172.878, 21 CFR 178.3620a, USDA H1 food processing lubrication for direct food contact.



SFG Hydraulic Oils

Premium Synthetic Food Grade Hydraulic Fluids (ISO 32, 46, 68), NSF H1

Anglomoil SFG Hydraulic Fluids are recommended for hydraulic systems in food processing machinery. They also are recommended for bearings, chains, valves, canning and bottling machinery. Anglomoil SFG Hydraulic oils are blended from synthetic PolyalphaOlefin base oils and additives which provide a high viscosity index, a low pour point, low foaming and chemical stability. Anglomoil SFG Hydraulics offer a far longer service life than most mineral based lubricants resulting in reduced maintenance associated with wear and mineral oil deposits. NSF Registered

SFG Gear Fluid

Premium Synthetic Food Grade Gear Fluids (ISO 220, 320, 460, 680), NSF H1

Anglomoil SFG Gear Fluids are made for industrial gear lubrication manufactured from synthetic hydrocarbons (PAO) and special additive packages which allow them to meet the approval requirements of the NSF where incidental food contact can occur. NSF Registered

SFG Compressor Fluid

Premium Synthetic Food Grade Compressor Oils (ISO 46, 68), NSF H1

Anglomoil SFG Compressor Fluids are made from synthetic hydrocarbons (PAO) and special additive packages which allow them to meet the H-1 approval requirements of the NSF where incidental food contact can occur. Anglomoil SPG Compressor oil can provide a service life of up to 8000 hours. This means lower maintenance costs and fewer disruptions to production schedules. NSF Registered

FMG Food Machinery Grease and Food Machinery Grease HD

Both greases are NLGI 2 and comprise calcium sulphonate soap base. Calcium sulphonate greases are the latest technology in grease manufacture and provide exceptional load carrying capacity, outstanding water resistance and corrosion protection.

Food Machinery Grease contains a high purity pharmaceutical white oil whilst the HD grade is a full synthetic grease using PAO and designed for heavy industrial duty.

Water Washout—very high resistance to water washout.

High Dropping Point—around 300°C and a working temperature range of 150° - 200°C.

High Load Resistance—protects equipment under heavy loads by reducing scuffing, scoring and seizing of contacting surfaces. Timken OK Load of 27kg.

These greases stand comparison with the best engineering greases, and with their high purity, are probably the best greases available for the food industry.



Lubricants for Automotive, Industry, Food, Farm Machinery, Marine, Earthmovers, Road Transport
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Anglomoil Food Grade Lubricant Data

Anglomoil Synthetic Food Grade Lubricants

SYNTHETIC	PRODUCT	VISCOSITY @ 40°C	VISCOSITY @ 100°C	FLASH	POUR	TIMKIN TEST
Gear Oils	SFG G 220	215	23.5	188	-36	OK Load 30 lb. OK Score 35 lb.
	SFG G 320	324	32.0	190	-36	OK Load 30 lb. OK Score 35 lb.
	SFG G 460	466	42.0	192	-36	OK Load 30 lb. OK Score 35 lb.
	SFG G 680	690	55.0	196	-36	OK Load 30 lb. OK Score 35 lb.
Hydraulic Oils	SFG H 32	31.5	6	230	-40	Not applicable
	SFG H 46	45.1	7.8	205	-38	
	SFG H 68	68.9	10.5	211	-36	
Compressor Oils	SFG C 46	45.0	7.8	205	-38	
	SFG C 68	65	10.2	211	-36	

Anglomoil Pharmaceutical White Oils

PHARMACEUTICAL WHITE OIL	PRODUCT	VISCOSITY @ 40°C	VISCOSITY @ 100°C	FLASH	POUR
PHARMACEUTICAL WHITE OIL	WHITE OIL ISO 15	15.0 cst.	3.5 cst.	185°C	-9°C
	WHITE OIL ISO 68	68 cst.	9.0 cst.	240°C	-9°C

ANGLOMOIL FOOD MACHINERY GREASE

FOOD GREASE	PRODUCT	NLGI Grade	BASE OIL VISCOSITY @ 100°C	TIMKEN OK LOAD	DROP POINT
SYNTHETIC	Food Machinery Grease Heavy Duty	No. 2.	37.5 cst.	27.2 kg	+300°C
MINERAL OIL	Food Machinery Grease	No. 2.	8.4 cst.	27.0 kg	+300°C



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