



CASSIDA FM RANGE

The FM Series of the CASSIDA product portfolio are white-oil-based or semi-synthetic-based food grade lubricating fluids and greases. They are used in similar applications as the CASSIDA series. Especially in cases of total loss lubrication FM lubricants are preferred – as found for example in the animal feed and beverage industry.

CASSIDA FM Range (semi-synthetic or white-oil-based)

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HYDRAULIC OILS

CASSIDA FM HYDRAULIC OIL 32 | 46 | 68 | 100


	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM HYDRAULIC OIL 32	32	5.7	0 to +110 (upper peak: +120)	DIN 51524 HLP
CASSIDA FM HYDRAULIC OIL 46	46	7	0 to +110 (upper peak: +120)	DIN 51524 HLP
CASSIDA FM HYDRAULIC OIL 68	68	9	0 to +110 (upper peak: +120)	DIN 51524 HLP
CASSIDA FM HYDRAULIC OIL 100	100	11.5	0 to +110 (upper peak: +120)	DIN 51524 HLP
Hydraulic fluids for food and beverage processing equipment.		Main application: Hydraulic systems, hydrostatic gears and control systems, plain and anti-friction bearings on food handling and processing equipment.		

GEAR OILS

CASSIDA FM GEAR OIL TLS 150



	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM GEAR OIL TLS 150	150	15	0 to +110 (upper peak: +120)	DIN 51517 CLP
Speciality anti-wear gear lubricant specifically designed for use in the food and beverage canning industry. Provides good lubrication even when operating in locations where it is subject to contamination with water, juice and food. Holds these contaminants in suspension, thus protecting metal surfaces from wear and corrosion. Only to be used for total loss systems.		Main application: Suitable for can seamer gearboxes on food handling and processing equipment. May also be used for general machine lubrication.		

CASSIDA FM GEAR OIL 220 | 460

	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM GEAR OIL 220	220	20	0 to +110 (upper peak: +120)	DIN 51517 CLP
CASSIDA FM GEAR OIL 460	460	30	0 to +110 (upper peak: +120)	DIN 51517 CLP
Gear lubricants for food and beverage processing equipment.		Main application: Suitable for gearboxes on food handling and processing equipment. May also be used for general machine lubrication or as a flushing fluid.		

SPECIALTIES




CASSIDA FM FLUID DC 20 | 68

 	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM FLUID DC 20	22	4	0 to +120 (upper peak: +130)	
CASSIDA FM FLUID DC 68	68	9.5	0 to +120 (upper peak: +130)	

White mineral oil, multipurpose, low-volatility fluids suitable for both direct and incidental food contact applications. Can handle a wide range of applications.

Main application: Absorber oils for edible oil extraction plant solvent recovery systems. Release agent used on grills, loaf pans, cutters, boning benches, chopping blocks or other hard surfaces to help prevent food from adhering during processing. Forming oils for the manufacture of both two- and three-piece cans for food and beverages.



CASSIDA FM FLUID RC 150 | 220

  	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM FLUID RC 150	150	15.5	-10 to +140 (upper peak: +150)	DIN 51517 CLP
CASSIDA FM FLUID RC 220	220	20.4	-10 to +140 (upper peak: +150)	DIN 51517 CLP

Special high-performance fluids specially developed for use in rotary cooking equipment in food and beverage canning plants. Provide good lubrication even when operating in locations where they are subject to contamination with water.

Main application: For use in the centralised systems of rotary cookers and sterilisers which lubricate the can exchange valves and other moving components.



CASSIDA FM FLUSHING FLUID 32

 	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM FLUSHING FLUID 32	31	5.2	-10 to +150 (upper peak: +325)	DIN 51522 Q

Specialty cleaning and flushing concentrate for heat transfer systems operating in the food and beverage industry.

Main application: FM FLUSHING FLUID 32 is recommended for use in closed heat transfer systems which suffer from carbon formation due to thermal and oxidative degradation.

CASSIDA FM HEAT TRANSFER FLUID 32


 	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM HEAT TRANSFER FLUID 32	35	6	0 to +325 (upper peak: +340)	DIN 51522 Q

High-performance heat transfer fluid. Can handle a wide range of application temperatures and has excellent thermal and oxidative stability to minimise cracking and promote long service life.

Main application: For closed-circuit and pressureless heat transfer systems with a bulk oil temperature range of approximately -10°C to max. +325°C where the surface temperature of the heating elements (oil film temperature) should not exceed +340°C.




SPECIALTIES

CASSIDA FM SUGAR DISSOLVING FLUID

	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	Specifications
CASSIDA FM SUGAR DISSOLVING FLUID	36	5.7	n.a.	
Emulsifiable oil-based cleaning and rust protecting concentrate. Designed to be used in mixtures with potable water on machine surfaces in the food and sugar manufacturing industry.		Main application: For cleaning and flushing sugar or sugar-based deposits from food and beverage manufacturing equipment. For freeing moving parts or screws and bolts that are stuck with sugar deposits. For lubrication of lightly loaded bearings and slideways, especially where sugar deposits are likely to form.		



GREASES

CASSIDA FM GREASE DC 2 | CASSIDA FM GREASE DC SPRAY

	Thickener	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	NLGI-Grade	Color Code
CASSIDA FM GREASE DC 2	Inorganic	100	11	-10 to +120	2	
CASSIDA FM GREASE DC 2 SPRAY	Inorganic	100	11	-10 to +120	00*	
White mineral oil grease, multipurpose, suitable for both direct and incidental food contact applications. Can handle a wide range of applications.		Main application: For use as a direct food contact release agent for grills, loaf pans, cutters, boning benches, chopping blocks and other hard surfaces to help prevent food from adhering during processing. Lubrication and protection of seals, guides, bearings and blades operating in food, pharmaceutical and other clean environments where direct food contact is inevitable.				

*without propellant

CASSIDA FM GREASE EP 1.5

	Thickener	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	NLGI-Grade	Color Code
CASSIDA FM GREASE EP 1.5	AlC _x mod.	200	22	-20 to +130 (upper peak: +140)	1.5	
Modified aluminium complex multipurpose, extreme pressure grease.		Main application: For use on slow to medium Speed plain and rolling element bearings in regular or heavy loaded applications. Recommended for use in machinery requiring frequent changes of the grease charge or with a high product consumption rate, such as machines used to process pet food and animal feed.				

GREASES

CASSIDA FM GREASE HD 1.5 | 2

	Thickener	Viscosity at 40°C [mm ² /s]	Viscosity at 100°C [mm ² /s]	Temperature range [°C]	NLGI-Grade	Color Code
CASSIDA FM GREASE HD 1.5	AICx mod.	550	38	-10 to +140 (upper peak: +150)	1.5	■
CASSIDA FM GREASE HD 2	AICx mod.	550	38	-10 to +140 (upper peak: +150)	2	■

Modified aluminium complex heavy-duty, extreme-pressure greases.

Main application: For use on slow to medium-speed plain and rolling element bearings in heavy-loaded and shock-loaded applications. Recommended for use in machinery requiring frequent changes of the grease charge or with a high product consumption rate, such as machines used to process pet food and animal feed.

Application Equipment

GREASE GUN

HD GREASE GUN CASSIDA

The two-handed gun guarantees clean and safe lubrication of machines in the food industry. It delivers a large volume of lubricant per stroke. Particularly simple handling is achieved with the use of matching cartridges with a screw cap.

The gun is pre-lubricated with food grade grease, which ensures the highest level of food safety.

- Operation pressure up to 400 bar / 5,800 psi
- Ergonomic grips for optimum operation
- Twin-lock system protects the piston from wear and avoids grease escaping the piston
- Protecting cap to prevent contamination at hose end
- Flexible armoured hose for optimum accessibility of lubricating points
- Output: 1.5 cm³/stroke
- Available with 500 g SR cartridges
- Complete discharge of the SR cartridge by special piston shape
- Colour coding of cartridges avoids mixing up different lubricants



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We therefore recommend that you consult a FUCHS LUBRITECH application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS engineers will be glad to advise on products for the application in question and also on our full range of lubricants.



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