

FUCHS Special Applications

CASSIDA

Solutions for the Edible Oil Processing Industry



MOVING YOUR WORLD

LUBRICANTS.
TECHNOLOGY.
PEOPLE.

FUCHS

FUCHS LUBRICANTS GERMANY

We do not just develop lubricants. We develop intelligent solutions for highly complex challenges.

To this end, we have pooled our expertise and experience from a wide range of application areas: FUCHS SCHMIERSTOFFE and FUCHS LUBRITECH became FUCHS LUBRICANTS GERMANY. Our goal: to keep our customers' world in motion. Efficient, sustainable, reliable. Today and tomorrow.

What can we move for you?

FUCHS LUBRICANTS GERMANY

Facts and figures

Company: FUCHS LUBRICANTS GERMANY GmbH,
a company of the FUCHS Group

Locations: Based in Mannheim, with sites in
Bremen, Dohna, Hamburg, Kaiserslautern, Kiel and Wedel;
approx. 1,400 employees

Product range: A full range of more than 3,000 products
for all application areas

Certifications i. a.: ISO 9001, IATF 16949, ISO 14001,
ISO 45001, ISO 50001, ISO 21469, HALAL, KOSHER
(detailed certifications at www.fuchs.com/de/en)

CO₂ neutral production*

Since 1931, we have been pursuing the same goal: to keep the world moving. With innovative and technological lubricant solutions that have a sustainable impact on the future. Unconditional reliability is our top priority, it is the foundation of our company and basis for everything that defines us.

Reliability is both a driver and a demand. And it's a promise to all our customers in the fields of automotive suppliers and OEMs, mechanical engineering, metal processing, mining and exploration, aerospace, energy, construction and transport, agriculture and forestry, as well as the paper, steel, metal, cement, forging and food industries, but also qualified lubricant dealers, car dealerships and workshops.

Long-term experience, high development strength and the fulfillment of far-reaching standards are the basis for the special quality of our world-leading product brands. We deliver solutions that are simply more efficient and therefore more sustainable. We always think in holistic solutions. For the development of individual solutions, we enter into an intensive customer dialog with you. This is the way we live up to our claim of moving your world.

MOVING YOUR WORLD

*Partially also based on compensation

CASSIDA food grade lubricants – Solutions for the Edible Oil Processing Industry



CASSIDA food grade lubricants

In the edible oil processing industry, the use of food-safe machine lubricants can mean the difference between a good name and no name at all. The production of edible oil and related products puts the strictest requirements on the lubricants used in the manufacturing process.

Consumer protection is absolutely essential. Incidental and direct oil contamination at any point in the process needs to be avoided by edible oil manufacturers, who process millions of gallons of edible oil for global markets every year. In addition, ensuring that the production process runs smoothly and is highly effective (meaning longer component lifetimes and extended maintenance intervals) is our number one priority.

Our customers benefit from the excellent quality of the CASSIDA portfolio, which has been confirmed by numerous OEM approvals given by well-known manufacturers of production and manufacturing equipment.

Today, major edible oil manufacturers are taking the risk out of their processes by switching to CASSIDA food grade lubricants as the safe alternative for all lubrication points in their production plants.

Our support package

As well as providing you with high-performance food grade lubricants, FUCHS LUBRICANTS GERMANY is able to offer expert technical advice and support. FUCHS LUBRICANTS GERMANY can assist with oil condition monitoring, failure analysis and diagnosis, Lubrication Critical Control Point (LCCP) surveys and much more.

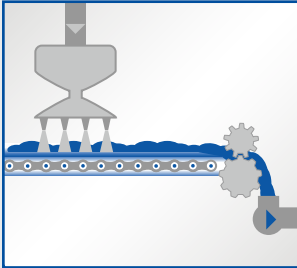
Performance and safety

The CASSIDA range is NSF H1 registered, as well as being the first food grade lubricant range to receive ISO 21469 certification. Certified for Halal and Kosher production, the CASSIDA range provides a total solution for the edible oil processing industry.

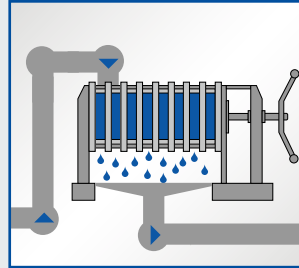


Basic Process Chart

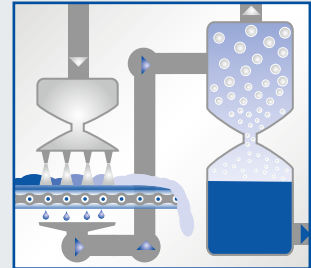
1. Cleaning, grinding, sterilising, drying



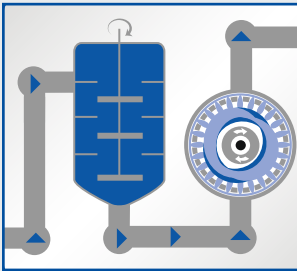
2. Pressing



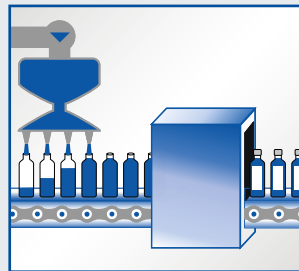
2A. Solvent extraction



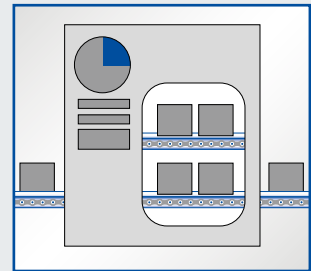
3. Refining: Neutralising, degumming, bleaching, deodorising



4. Filling, labelling



5. Packing, palletising, storage



Overview of CASSIDA Products

Process Steps	Main Products	Common Machine Parts	Process Example
1. Cleaning, grinding, sterilising, drying	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA GREASE EPS 2 / GTS 2 / GTX 2 / CASSIDA FM GREASE HD 2	Bearings	
	CASSIDA FLUID CR Series	Compressors, blowers	
	CASSIDA FLUID HF / HFS Series	Hydraulics	
2. Pressing	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA FLUID HF / HFS Series	Hydraulics	
	CASSIDA GREASE EPS 2 / GTS 2 / GTX 2	Bearings	
2A. Solvent extraction	CASSIDA FM HEAT TRANSFER FLUID 32	Heat transfer system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / GTS 2 / GTX 2 / HTS 2	Bearings	
	CASSIDA GREASE FC Series	Bearings exposed to solvent	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA FLUID DC Series	Solvent absorption	
3. Refining: neutralising, degumming, bleaching, deodorising	CASSIDA FM HEAT TRANSFER FLUID 32	Heat transfer system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / HTS 2 / GTS 2 / GTX 2	Bearings	
	CASSIDA GREASE FC Series	Bearings exposed to chemicals	
	CASSIDA FLUID HF / HFS Series	Hydraulics	
4. Filling	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF / HFS Series	Hydraulics	
	CASSIDA GREASE EPS / RLS Series	Bearings, filling machine	Filling area
	CASSIDA GREASE HTS 2 / GTS 2 / GTX 2 / MD 2	Bearings, filling machine	
	CASSIDA CHAIN OIL Series	Chains	
4. Labelling	CASSIDA GREASE EPS 2 / GTS 2	Bearings	Packaging, labelling, paperboard packing
	CASSIDA GREASE RLS 00 / GTS 2	Central lubrication system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Drive chains	
	CASSIDA FLUID HF / HFS Series or GL 150	Hydraulics	
	CASSIDA FLUID VP 68 or 100	Vacuum pump	
5., 6. Packing, palletising, storage	CASSIDA FLUID RF Series	Refrigeration compressors	
	CASSIDA GREASE EPS / RLS Series	Bearings	
	CASSIDA FLUID HF / HFS / GL Series	Hydraulics, gearboxes	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
General maintenance	CASSIDA FLUID FL 5 SPRAY		
	CASSIDA FLUID DC SPRAY		
	CASSIDA FLUID CP SPRAY		
	CASSIDA GREASE GTS SPRAY		
	CASSIDA PASTE AP		
	CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA FM FLUSHING FLUID 32		
	HD GREASE GUN CASSIDA		



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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