

HIGH PERFORMANCE HYDRAULIC FLUIDS

**LONG
SERVICE
LIFE**

PERFORMANCE

BIODEGRADABILITY

SAFETY



LUBRICANTS

PROVIDING INNOVATION TO YOUR INDUSTRY



CONDAT, specialised in the formulation of greases and oils for over 160 years

CONDAT engineers offer you a complete line of hydraulic fluids designed for all maintenance applications and meeting your requirements.

- Long service life of the fluids and your installations
- Reduced consumption and maintenance costs
- Personnel safety (fire resistant fluids)
- Protection of the environment (biodegradability, classified as not dangerous for the environment)

Our team of experts is available to help you retrofit your installation with a more innovative oil which will increase personnel and machine safety and reduce potential environmental impact.



MINERAL OILS

EQUIPMENT RELIABILITY AND LONG SERVICE LIFE

CONDAT mineral oils are split into different categories depending on their properties and applications. All are specifically designed to extend the service life of your installations.

- **HM Mineral oil:** With anti-foaming, anti-corrosion, antirust and anti-wear performance.
- **HV Mineral oil:** With anti-foaming, anti-corrosion, antirust and anti-wear performance and a viscosity index > 130. Used in hydraulic circuits subjected to wide temperature variations in addition to very high load and pressure conditions.

	HM STANDARD	HV STANDARD	+ CUSTOMERS
HYDROLUB HM 46	✓		Industrial applications with filterability requirements in the order of 5μ
HYDROLUB HMAX 22/32/46/68/100	✓		3μ industrial applications - Long duration - Use on certain screw compressors
HYDROLUB HV 32/46/68		✓	High V.I. lubricants for outdoor applications: Construction machinery, snow, quarries, forestry, etc.
HYDROLUB HVBT 15		✓	Low viscosity lubricant with a very high V.I.. (383) for extreme cold applications
HYDROLUB HVTP 46		✓	Highly filterable lubricant (3μ) - Outdoor applications - Performances in excess of Poclair requirements

HYDROLUB HVTP 46

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|--|---|
| • Very high V.I. at 155 | ➔ Better cold starts, excellent protection when hot |
| • Increased anti-wear and extreme pressure additives | ➔ Increased equipment life |
| • Exceptional 3μ filterability | ➔ Suitable for servo-valve equipment |
| • Excellent resistance to oxidation | ➔ Long lasting |
| • Very high de-aeration performances | ➔ Protection of components from cavitation |

FIRE RESISTANT FLUIDS

SAFETY of PERSONNEL, of MACHINES and of the ENVIRONMENT

Having over 30 years of experience, CONDAT proposes a full range of Fire Resistant Fluids for all applications in which it is imperative to protect personnel and installations from the risk of fire: on tunnelling machines, in the steel industry, the glass industry, forges, foundries, initial metal transformation industries, etc.





Under the ISO 6743 standard these fluids are classified by nature

ISO-L Symbols	Definitions
HFA E	Aqueous emulsion (over 80% water)
HFA S	Aqueous solution (more than 80% water)
HFC	Aqueous polymer solution (more than 35% water)
HFD U	Anhydrous synthetic fluid (performance, biodegradability and classified not dangerous for the environment)

CONDAT fire resistant oils, because of their different technologies offer a safe solution for correct function and protection of your installations:

- Fluid stability.
- Excellent lubricating power.
- Very high flash point.

Some of them also reduce the impact on the environment due to their biodegradability criterion.

	HFA E	HFA S	HFC	HFDU	FM APPROVED	BIODEGRADABLE	+ CUSTOMERS
CONDAT FLUID SH 4 B	✓						Excellent anti-corrosion properties
HYDROSOL 207		✓					Excellent anti-corrosion properties and high pressure resistance.
CONDAT GUARD C 46			✓				Long service life of hydraulic components (pumps, motors, valves, etc.).
CONDAT D 32				✓			Excellent fire resistance. High fluid stability in service.
CONDAT D 46/68				✓			
CONDAT D 946				✓			
CONDAT D 646/668				✓			

CONDAT D

CONDAT D range hydraulic fluids are anhydrous synthetic fluids formulated using organic esters. They have excellent properties, especially anti-wear, anti-corrosion, filterability and thermal stability. Their specification extends the service life of hydraulic components. They are biodegradable products that protect the environment.

FM GLOBAL

FM Global is an insurance company that has built its strategy on claim prevention engineering. Globally recognised, **FM Approvals** makes it possible for our customers to be sure that our lubricants have been subjected to many tests and that they comply with the strictest quality standards. Using an **FM** certified lubricant means being certain to use a fluid that protects personnel and installations.



BIODEGRADABLE OILS


PROTECTION OF THE ENVIROMNENT





CONDAT takes part in the protection of the environment by permanently developing biodegradable products that are classified as not dangerous for the environment.

Thanks to the ester technology used, the fluids in the **BIO NATUR** range combine technical performance, fluid service life and protection of the environment. The **BIO NATUR HYDROSTAR** and **BIO NATUR HYDROLABEL** oils, formulated using a **saturated** ester base have excellent oxidation resistance which significantly increases the service life of the fluid and of your installations in so-called sensitive zones.

CONDAT **biodegradable fluids** have high lubricating power, a high viscosity index and a very low pour point allowing them to be used in difficult applications and wide temperature ranges.

	SYNTHETIC ESTER	SATURATED ESTER	SERVICE LIFE	ECOLABEL	OECD 301B STANDARD	ISO 15.380 STANDARD	BIODEGRADABLE	RENEWABLE RAW MATERIALS	+ CUSTOMERS
BIO NATUR HYDRO 46	✓		++		✓	✓	✓	✓	High operational stability
BIO NATUR HYDROSTAR 32		✓	+++		✓	✓	✓	✓	Excellent start-up during winter periods
BIO NATUR HYDROSTAR 46		✓	+++		✓	✓	✓	✓	
The combination of renewable raw materials and saturated esters has given birth to BIO NATUR HYDROLABEL compliant with the EUROPEAN ECOLABEL criteria									
BIO NATUR HYDROLABEL 32		✓	++		✓	✓	✓	✓	Extended fluid service life.
BIO NATUR HYDROLABEL 46		✓	++		✓	✓	✓	✓	Active participation in the protection of the environment and in sustainable development.







* Average extension of the replacement frequency compared to a mineral oil

ECOLABEL :

European Regulations

Created in 1992, the European Ecolabel is the only official European ecological label that can be used in all the European Union member states to identify products that are environmentally friendly.

European regulations have made it mandatory to use lubricants that are compliant with the ECOLABEL specification in certain defined areas in order to limit the use of non recyclable petrol based lubricants.

Article 44 of the French 5 January 2006 act n°2006-11 covering agricultural orientations is fully in line with this approach.

Lubricants must comply with the indicated standards in terms of ultimate biodegradability (OECD 301B), ecotoxicity (OECD 201-202-203) and bioaccumulation. They must also guarantee total user safety and have excellent performance levels and be developed using renewable raw materials.



EU Ecolabel : FR/27/006

Privileged zones for the use of biodegradable hydraulic fluids

Beyond regulatory constraints, it is everyone's duty to try to prevent accidental spillages of lubricants (burst hoses, leakage, etc.) which are harmful to the environment and which can be punishable by law.



Mountain station maintenance



Dredging



Forestry work



Dams / locks



Quarries / Sand quarries

Fire resistant biodegradable hydraulic fluids

By choosing a fire resistant hydraulic fluid from the Condac D range, you are choosing:

- *Our product performance*
- *The safety of your installations and personnel*
- *The protection of the environment*

Suitable for many applications and of particular benefit in:

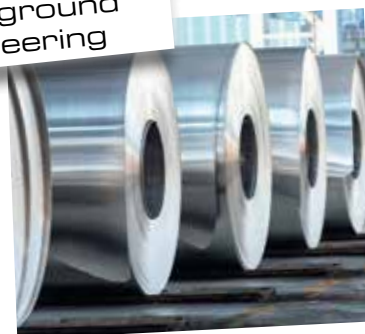
- *Underground Engineering*
- *The aluminium industry*
- *Steel works*
- *Wood panel production*
- *Forestry work*
- *Incineration*
- *Foundries*



Underground Engineering



Steel works



Aluminium industry

A COMPLETE LINE OF MAINTENANCE LUBRICANTS

- Technical greases
- Motor oils
- Transmission oils
- Compressor lubricants
- Movement lubricants

Associated services
fluid management, analyses, equipment, etc.

CONDAT PRESENT ABROAD



- Subsidiaries
- Distributing agents
- Production sites

Distributor:



LUBRIFIANTS



Printed on
recycled paper