

ULTRA VBA (RANGE)

VEGETABLE BASED MULTIPURPOSE OIL

DESCRIPTION

Lubricant formulated with vegetable origin bases and additives approved by FDA (Food & Drug Administration), suitable for incidental food contact. Totally exempt of hydrocarbons and biodegradable.

APPLICATIONS

It can be applied in food, pharmaceutical and cosmetic industries in machinery where there is risk of product contamination with the lubricant, such as hydraulic systems, gears under moderate loads, bearings and rotary compressors.

It is specially recommended as hydraulic oil in olive oil mills, as hydraulic oil leakage on olive oil does not supply hydrocarbons, due to its base totally vegetable.

Also can be used in those cases where there is a possibility of lubricant waste to the environment, as for example in forest machinery, hydraulic gates, etc.

PROPERTIES

- High oxidation stability, it does not form residue or lacquers.
- It lubricates effectively mechanisms in a wide temperature interval.
- Protection against friction and wear suitable for most applications in food, pharmaceutical and cosmetic industries.
- A good demulsion capacity that improves water separation.
- Neutral towards metallic materials, even aluminium and copper alloys.
- It does not attack seals or pipes due to total absence of aromatic carbon.

QUALITY LEVEL:

- Hydraulic: DIN 51524 Part 2 HLP
- Gears: DIN 51517 Part 3 CLP
- Food grade: NSF H1, Halal and Kosher
- Biodegradable: >60% according to OECD 301-B
- Microfiltered at 5µ



TECHNICAL CHARACTERISTICS

	Method	Typical values		Units
ISO VG		46	68	
Appearance		Transparent pale yelloww		
Density at 20°C.	ASTM D-1298	0,920	0,927	gr/cm³
Viscosity at 40°C.	ASTM D-445	42,58	64,15	cSt
Viscosity at 100°C.	ASTM D 445	8,52	10,14	cSt
Viscosity Index	ASTMD-2270	183	144	-
Pour point	ASTM D-97	-21	-21	°C
Flash point	ASTM D-92	250	250	°C
Welding load, 4 ball test	ASTM D-2783	200	200	kg
Wear scar, 4 ball test	ASTM D-4172	0,28	0,28	mm
Demulsion test, ml oil-water-emulsion, minutes	ASTM D 1401	41-38-1 (15)	43-36-1 (20)	-
Copper corrosion, 3h at 100°C	ASTM D-130	1a	1a	-
Nº Register NSF		150703	150704	-
Nº Register Halal	IH-682/2.4/B/76	/3/13	/3/14	-

The information provided in this document is based upon our best knowledge at the date of revision indicate, and is subject to changes without prior notice. Such information does not release the user from testing the product in their own application. The data indicated represent average values and do not constitute product specifications. For more information please contact COGELSA Technical Support. COGELSA is not liable for damages caused by improper use of the product.

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HANDLING AND STORAGE

Handling not subject to special requirements. Throughout the lifespan of the product:

- Store separately from other lubricants, chemicals or foodstuffs.
- Protect from sunlight or other heat sources.
- Store at temperatures from 1°C up to +40°C.
- Keep container closed after opening.

The expiry date is 24 months from date of manufacture.

For further information and more product details, packaging and safety data sheets, please refer to our website www.cogelsa.com or contact us at: info@cogelsa.com or export@cogelsa.com

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