

ULTRASYNTH ATOX (RANGE)

SYNTHETIC MULTIPURPOSE LUBRICANT

DESCRIPTION

Lubricant formulated with synthetic base stocks (PAO based) and special additives FDA approved for incidental food contact.

APPLICATIONS

Suitable for incidental food contact in food, beverage, pharmaceutical and cosmetic industries.

ULTRASYNTH ATOX 15/32/46/68

⇒ hydraulic systems, bearings, pumps, chains, gears under light loads and rotary compressors.

ULTRASYNTH ATOX 100/150/220/320

⇒ bearings, pumps, chains, gears and compressors.

ULTRASYNTH ATOX 460/680

⇒ bearings, gears, chains, circulation systems and open mechanisms.

PROPERTIES

- High oxidation stability, avoiding formation of residues and varnishes.
- Excellent lubricating performance in a wide temperature range.
- High protection against friction and wear.
- Good demulsifying capability, allowing easy water separation.
- It does not stain metals, including aluminium and copper alloys.
- Very good compatibility with seals or pipes.

QUALITY LEVEL:

- Hydraulic: ISO 6743-4 HV, DIN 51524-3 HVLP, HF-0
- Gears: DIN 51517 Part 3 CLP, ISO 6743/6 - CKS
- Compressors: DIN 51506 VDL
- Registered NSF-H1 / HALAL / Kosher



TECHNICAL CHARACTERISTICS

	Norma	Valores típicos									
ISO VG		15	32	46	68	100	150	220	320	460	680
Appearance		Clear yellow transparent									
Colour	ASTM D 1500	< 0,5									
Density at 15°C.	ASTM D-4052	0,82	0,84	0,841	0,844	0,849	0,85	0,857	0,852	0,863	0,865
Viscosity at 40°C. cSt	ASTM D-7042	16,4	35,2	46,1	66,2	94,6	141,2	228,3	311,6	455,6	649
Viscosity at 100°C. cSt	ASTM D 7042	3,87	6,7	8,26	10,6	13,86	18,7	26,3	33,1	41,8	52,5
Viscosity index	ASTMD-2270	130	150	153	148	149	149	148	148	142	139
Pour point, °C	ASTM D-97	<-60	-54	-54	-54	-50	-50	-50	-45	-31	-28
Flash point, °C	ASTM D-92	226	250	255	260	265	270	275	280	285	285
4 ball welding load, Kg	ASTM D-2783	200	200	200	200	200	200	200	200	200	200
Wear scar, mm	ASTM D-4172	0,40	0,36	0,34	0,34	0,34	0,32	0,32	0,30	0,30	0,30
Demulsification rate Maximum time (minutes) for 40/37/3 (ml oil/water/emulsion)	ASTM D 1401	5	5	7	10	20	30	-	-	-	-
Copper corrosion, 3h at 100°C	ASTM D-130	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a

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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SYNTHETIC MULTIPURPOSE LUBRICANT

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 48 months from date of manufacture.

Colour change during storage:

Freshly manufactured oils of the ULTRASYN[®] ATOX range are colourless and transparent. However, under the action of light or heat, their antioxidant additives may cause a colour change to yellowish or yellow. This is a known phenomenon common to these additives widely used in the industry, and it does not change the performance of these oils.

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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