COGELSA®
EFFICIENT LUBRICATION

TECHNICAL INFORMATION

ULTRASYNT WG (RANGE)

HIGH TEMPERATURE SYNTHETIC OILS

DESCRIPTION

Long-life synthetic oils with polyglycol base and special additives.

APPLICATIONS

Suitable for lubrication of worm gears, circulation systems, rolling and plain bearings, etc., even in the presence of water and moisture.

PROPERTIES

- Low coefficient of friction and excellent anti-wear properties, especially in worm gears, where the contact geometry causes a high degree of slippage.
- Stable to oxidation and high temperatures, peaks up to 190ºC. Prevents the formation of gums and lacquers.
- Long service life, even at high temperatures.
- Neutral towards metallic materials, including aluminium and copper alloys.
- Capacity to absorb and keep water dissolved up to approximately 3%.

CAUTIONS

- **ULTRASYNT WG** is not miscible with mineral or synthetic oils other than the same type of polyglycol.
- It is recommended to wash or clean the mechanisms to be lubricated.
- Ask our Technical Department about the most suitable cleaning product for your installation.
- It is recommended to check the manufacturer's specifications and compatibility with paints and sealing elements.

QUALITY LEVEL

DIN 51517 Part 3 CLP-PG
ISO 6743-6 and ISO 12925-1: CKC, CKD, CKE, CKT
AGMA 9005/EO2 EP

TECHNICAL CHARACTERISTICS

	Units	Typical values						Method
ISO VG		**150**	**220**	**320**	**460**	**680**	**1000**	
Appearance	-	clear pale yellow						-
Density at 20 ºC	gr/cm^3	1,05	1,05	1,06	1,06	1,06	1,07	ASTM D 1298
Viscosity at 40ºC	cSt	150	220	300	460	680	1025	ASTM D 445
Viscosity at 100ºC	cSt	29	40	51	75,4	115	180	ASTM D 445
Viscosity Index	-	233	235	234	245	270	298	ASTM D 2270
Pour point	ºC	-36	-36	-36	-35	-35	-35	ASTM D 97
Flash point	°C	250	250	250	250	250	250	ASTM D 92
Copper corrosion 3 h. 100 ºC	grade	1a	1a	1a	1a	1a	1a	ASTM D 130
Welding Load, 4 ball test	Kg	160	160	160	160	160	160	ASTM D 2783
Wear scar, 4 ball test	mm	0,31	0,31	0,31	0,31	0,31	0,31	ASTM D 4172

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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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