

A low-angle, close-up photograph of several large, metallic turbine blades. The blades are arranged in a circular pattern, pointing towards the center of the frame. The lighting is dramatic, highlighting the metallic texture and the sharp edges of the blades. The background is dark, making the blades stand out.

*LUBRICANTS FOR*

**TURBINES, COMPRESSORS  
& CIRCULATION**



Your world, more efficient.



## CEPSA TURBINAS EP

Oil designed for the lubrication of gas and steam turbines that are equipped with gears. Also recommended for use at combined-cycle power plants (gas and steam turbines running together). Formulated for use with equipment that is particularly demanding in terms of cleanliness, water and air removal and extreme pressure requirements.

### APPROVALS

ISO 6743-5 L TSA/TSE/TGA/TGB/TGE / DIN 51515 Part II (L-TG) / ASTM D-4304, Type III / British Standard 489 (CIGRE) / MIL-L-17331-K / JIS K 2213 / CEGB Standard 207001 / AIST 120, 126 / FIVES CINCINNATI P-Specs / General Electric GEK (101941A, 107395A, 32568H, 46506E, 28143B) / ABB HTGD 90 117 V0001R 117 / ABB-Stal VTI 3200-3, 81 21 08 / MAN Turbo – TED 10000494596 / ALSTOM HTGD 90 117 (EP) / Siemens MAT 812106/07/08/09 / Mitsubishi Heavy Industries E00-87182 / Siemens TLV 901304/901305 (EP) / Solar ES 9-224Y Class II  
ISO grades available: 32 and 46

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## CEPSA HD TURBINAS

Oils manufactured to provide the high lubrication demands of steam, gas and hydraulic turbines. These oils have high deaerating and anti-foaming capacities.

### APPROVALS

ISO 6743-5 L TSA/TGA/TGB / DIN 51515 Part II (L-TG) / ASTM D-4304, Type I / British Standard 489 (CIGRE) / MIL-L-17672 D / JIS K 2213 / CEGB Standard 207001 / AIST 120, 126 / FIVES CINCINNATI P-Specs / General Electric GEK 107395A, 32568H, 46506E, 28143A) / ALSTOM HTGD 90 117 (no EP) / MAN Turbo – TED 10000494596 / Siemens MAT 812101/02 / Siemens TLV 901304/901305 (no EP) / Solar ES 9-224Y Class II  
ISO grades available: 32, 46 and 68

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## CEPSA TURBO OIL SYNT

An oil formulated with synthetic polyol ester bases. It features very high lubricity, high thermal stability, a low pour point, resistance to oxidation and a high viscosity index. Especially recommended for aeroderivative industrial turbines. Technology recommended by the leading manufacturers (Rolls Royce, Allison, General Electric, Centrax...)

### APPROVALS

MIL-PRF-23699-F Class STD / NATO Code O-156 / SAE AS5780 Class SPC

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## CEPSA CIRCULANTE

Multi-purpose fluid or lubricating all kinds of circulating and/or total loss systems. Also recommended for the lubrication of reduction units, adjustable speed drives, bearings and reciprocating compressors where there are no great demands.

### APPROVALS

DIN 51524 Part 1 (HL)  
/ ISO 6743-4 HL / DIN 51517 Part 1 (CL)  
ISO grades available: 150, 220, 320 and 460

## CEPSA CIRCULANTE 100

Multi-purpose "R&O" lubricating oil designed for lubrication systems based on circulation and/or total loss. Also recommended for the lubrication of reduction units, adjustable speed drives, bearings and reciprocating compressors where there are no great demands. It can also be used in steam, gas and hydraulic turbines that operate at low-demand temperatures.

### APPROVALS

DIN 51524 Part 1 (HL) / DIN 51517 (CL) / DIN 51515 Part 1 (L-TD)

## CEPSA CIRCULANTE PM 150

Ashless circulating oil specifically developed for lubricating wet-end bearings in the paper industry.

### APPROVALS

DIN 51524 Part 2 HLP PARKER DENISON HF-0 AIST 224 / ISO 11158 HM  
EATON Brochure 03-401-2012 AGMA 9005-F16 Anti-Scuff / DIN 51517 Part 3 CLP  
FIVES CINCINNATI P-Specs MORGOIL No-Twist Mill

## PRODUCT SUMMARY

LUBRICANT	SHELF LIFE	TEMPERATURE RANGE	EQUIPMENT PROTECTION
CEPSA CIRCULANTE	☺☺	☺☺	☺☺
CEPSA CIRCULANTE 500	☺☺☺	☺☺☺☺	☺☺☺
CEPSA CIRCULANTE PM	☺☺☺	☺☺☺☺	☺☺☺☺
CEPSA HD TURBINAS *	☺☺☺	☺☺☺	☺☺☺
CEPSA TURBINAS EP	☺☺☺☺	☺☺☺☺	☺☺☺☺
CEPSA TURBO OIL SYNT	☺☺☺☺☺	☺☺☺☺☺	☺☺☺☺☺
CEPSA COMPRESORES AR	☺☺	☺☺	☺☺☺
CEPSA COMPRESORES ARS	☺☺☺☺	☺☺☺☺	☺☺☺☺
CEPSA COMPRESORES ES	☺☺☺☺	☺☺	☺☺☺☺
CEPSA COMPRESORES LPG-9	☺☺☺☺☺	☺☺☺☺☺	☺☺☺☺☺

## AIR/GAS COMPRESSORS



### CEPSA COMPRESORES AR

An all-purpose lubricant for compressors, recommended for the lubrication of reciprocating and rotary compressor mechanisms. ISO VG 46 and 68 viscosities are especially recommended for rotary compressors and ISO VG 100 viscosity for reciprocating compressors.

#### APPROVALS

DIN 51506 VCL and VDL  
ISO grades available: 46, 68 and 100

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### CEPSA COMPRESORES ES 100



A 100% synthetic oil manufactured with an ester base specifically recommended for reciprocating air compressors in industrial and marine applications. Especially recommended for high pressure reciprocating air compressors and vacuum pumps.

#### APPROVALS

DIN 51506 VDL ISO 6743/3 DAC & DAJ

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### CEPSA COMPRESORES ARS

A synthetic lubricant with a polyalphaolefin (PAO) base for prolonged oil-change intervals in rotary blade, screw and reciprocating piston air compressors.

#### APPROVALS

DIN 51506 VCL y VDL / ISO 6743/3 DAC & DAJ  
ISO grades available: 46, 68 and 100

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### CEPSA COMPRESORES LPG-9

A synthetic oil with a polyalkylene glycol (PAG) base developed for lubrication in gas compressors where the bearings and gears operate in a gas atmosphere such as butane, propane or methane, for example.

#### APPROVALS

SULZER BURCKHARDT A.G. in K LINDE A.G. compressors

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## REFRIGERATION COMPRESSORS



### CEPSA BOREAL

A naphthenic base oil designed for use in refrigeration compressors operating with traditional coolants such as ammonia, carbon dioxide, R12, R22, etc.

#### APPROVALS

DIN51503 KAA/KC/KE  
ISO grades available: 46 and 68

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### CEPSA NORTHER HFC



Synthetic oils based on synthesised polyol esters developed for the lubrication of refrigeration compressors that use HFC coolants.

#### APPROVALS

ISO 6743/3: DRD / Meets OEM (manufacturers) requirements: HOWDEN, FRASCOLD, AERZEN, BOCK, SABROE, MCQUAY, SULZER, etc.  
ISO grades available: 32, 46 and 68

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### CEPSA NORTHER AB 100



A synthetic oil in an alkylbenzene base developed for refrigeration compressors that use coolants such as HFC and HCFC. It displays higher miscibility with coolants such as R12, R22 and R502, especially when these coolants pose miscibility problems with mineral oils.

#### APPROVALS

ISO 6743/3 DRE / Meets OEM (manufacturers) requirements: BOCK, REFCOMP, APV, SABROE, YORK, BITZER

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## CIRCULATION



### CEPSA CIRCULANTE 500

The 500 series is a series of lubricants specifically developed for the circulating systems in the paper and metallurgy industries. In the paper industry, it is recommended for the lubrication of bearings and dry-end mechanisms (ISO VG 220) as well as wet-end mechanisms (ISO VG150), and in the metallurgy industry, it is especially indicated for the lubrication of Mesta and Morgoil thrust roller bearings in rolling mills.

#### APPROVALS

SMS SIEMAG / MORGOIL MESTA / DIN 51517 Part 3 (CLP)  
ISO grades available: 100, 150, 220, 460 and 680

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