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TORQUE ELECT+ ISO 46

ROTARY SCREW COMPRESSOR LUBRICANT

Edmac TORQUE Elect+ is a premium quality air compressor oil designed to deliver high performance lubrication of rotary sliding vane and screw air compressors. It uses an advanced additive system to provide excellent protection and performance for compressors running at up to 20 bar and 100°C discharge temperatures with oil maintenance intervals of up to 6000 hours.

Product Details

	3004010008 (5L),
Part Numbers	3004010009 (20L),
	3004010010 (209L)

Product Compatibility

Kaeser	MOL SIGMA FLUID / M-460
CompAir	Fluid Force 4000/ SCWO4000
Boge	3000 PLUS/ 3000 HTPLUS
Almig	Geralyn SF46
Gardner Denver	AEON 2000 / AEON 4000

Features

TORQUE Elect+ is capable of providing oil maintenance intervals of up to 6000 hours (where allowed by manufacturers) even when operating at maximum discharge temperatures of up to 100°C. It is formulated to help:

Long oil life – Maintenance saving

- Resist formation of carbon deposits in sliding vane slots in vane compressors
- Resist formation of deposits on rotating components in screw compressors
- Resist thermal breakdown and deposit formation to maintain excellent internal surface cleanliness particularly in oil/air separator and coalescer systems.
- Exact oil maintenance interval will depend on intake air quality, duty cycle and ambient conditions. For hot and humid type climates as found in the Asian and Pacific regions, a reduced oil drain period is recommended (consult OEM recommendations)

Outstanding wear protection

With many years of successful application, TORQUE Elect+ helps provide effective protection of internal metal surfaces from corrosion and wear. It contains an advanced ashless anti-wear system to help prolong the life of critical parts such as bearings and gears.

Maintaining system efficiency

Air release and prevention of foaming are critical performance characteristics in a compressor oil, ensuring reliable start-up and continuous compressed air availability. TORQUE Elect+ is designed to provide rapid air release without excessive foaming to give trouble-free operation even under cycling conditions. In addition, TORQUE Elect+ has excellent water separation properties to help ensure continuous efficient operation of the compressor even in the presence of water.

Main Applications



Rotary sliding vane air compressors

Torque Elect+ is suitable for oil-flooded or oil-injected vane compressors, operating at pressures of up to 10 bar and with air discharge temperatures of up to 100°C.

Screw air compressors

Suitable for oil flooded or oil injected, single or two-stage rotary compressors, operating at pressures of up to 20 bar and with air discharge temperatures of up to 100°C

Health and Safety

Edmac TORQUE Elect+ oil is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Specifications, Approvals & Recommendations

Guidance on Health and Safety is available in the Material Safety Data Sheet, which can be downloaded here: <https://www.edmac.eu/lubricants/rotary-screw-oil/torque-elect-400-iso46-20l-3004010009.html>

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water. Consult the MSDS for more information.



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Typical Properties

Features	Method	Torque Elect +
ISO Grade	ISO 3448	46
Viscosity mm ² /s @ 40°C	ASTM D445	46
Viscosity mm ² /s @ 100°C	ASTM D445	6,9
Density kg/m ³ @ 15°C	ASTM D1298	868
Flash Point , °C	ASTM D92	230
Air Release , mins	ASTM D3427	3
RPVOT , mins	ASTM D2272	700
FZG Test , LS Fall	CEC-L-07-A-95	11
Pour Point , °C	D97	-30
Water Separability , mins @54°C	ASTM D1401	15

* These values are not intended for use in preparing specifications

If you require any further information, please contact your Edmac salesperson or sales.edmac@edmac.eu.