

Torque Elect 400 ISO 68

Premium Lubricating Oil for Rotary Air Compressors

Technical Information Sheet

Torque Elect 400 ISO 68 is a high performance oil designed to provide high performance lubrication for rotary vane and screw compressors. It consists of selected additives to ensure excellent protection and performance of compressors with oil drain intervals up to 4,000 hours (if allowed by the manufacturers).

Performance, Features & Benefits

Extended Oil Life – Savings on Maintenance

Torque Elect 400 ISO 68 can provide oil change intervals of up to 4,000 hours (if permitted by the manufacturers) even at maximum discharge gas temperatures of up to 1000C.

It is formulated to:

Resist the formation of carbonaceous deposits in rotary vane compressors.

To resist the formation of deposits on rotating components in screw compressors.

Resist thermal degradation and excellent cleanliness of internal surfaces preserved, especially in oil/air separator and coalescing filter systems.

The maintenance interval depends on the quality of air intake, operating and environmental conditions. For hot and humid climates such as those found in the regions of Asia and the Pacific, becomes a oil change period under 4,000 hours recommended (refer to OEM recommendations).

Excellent wear protection

With years of successful application, Torque Elect 400 ISO 68 68 an effective protection of internal metals surfaces against corrosion and wear.

It incorporates an advanced ashless anti-wear system that the life of critical parts such as bearings and gears lengthened.

Maintaining System Efficiency

The air release and anti-foam properties are essential performance characteristics for a compressor oil for reliable starting and continuous guarantee the availability of compressed air.

Torque Elect 400 ISO 68 68 ensures rapid air separation without excessive foaming for an efficient operation, even under severe operating conditions.

In addition, Torque Elect 400 ISO 68 68 provides an excellent water separating ability to maintain a continuous efficient operation of the compressor, even in presence of water.

Applications

Pallet or screw air compressors

Torque Elect 400 ISO 68 suitable for oil immersed/oil injected one or two stage pallet or screw air compressors.

Specifications, Approvals & Recommendations

ISO 6743-3: 2003 (E) L-DAH

For a complete overview of approvals and recommendations, please contact your locale Edmac salesperson.

Compatibility and Mixability

Seal Compatibility

Torque Elect 400 ISO 68 oils are compatible with specified elastomers for use with mineral oils.

Analytical figures

Characteristics			Method	Torque Elect 400 ISO 68	
ISO Viscosity Class			ISO 3448	68	
Kinematic Viscosity	@400C	mm ² /s	ASTM D445	68	
Kinematic Viscosity	@1000C	mm ² /s	ASTM D445	8.9	
Viscosity Index (VI)			ISO 2909	104	
Density	@150C	kg/m ³	ASTM D1298	873	
Flash point, open cup			ASTM D92	248	
Air Separation			minutes	ASTM D3427	5
RPVOT			minutes	ASTM D2272	700
FZG Test			LS Fail	CEC-L-07-A-95	11
Stolpunt			0C	ASTM D97	-30
Water separation	@540C	minutes	ASTM D1401	15	

The above values are "typical" values for current production. Although future production will be entirely within Edmac's specifications, deviations in these values may occur.

Health, Safety and Environment

Health and Safety

Torque Elect 400 ISO 68 is used as directed in its intended applications and when good industrial and personal hygiene are observed, it is unlikely that any health or safety hazards will arise.

Avoid skin contact. Wear oil-tight gloves with used oil. After skin contact, wash immediately with soap and water.

Safety and health information is available on the appropriate safety data sheet

Protect the Environment

Dispose of used oil through an authorized disposal company. Prevent leakage to sewer, soil or surface water.

Additional Information

Advice

Advice on applications not described in this data sheet is available from your local Edmac representative.

Viscosity - Temperature Diagram

