

## STANDARD INFORMATION

**Standard:** CSA C22.2 No. 60079-6

**Standard ID:** Explosive atmospheres - Part 6: Equipment protection by liquid immersion "o" [CSA C22.2#60079-6:2017 Ed.2+A1]

**Previous Standard ID:** Explosive atmospheres - Part 6: Equipment protection by liquid immersion "o" [CSA C22.2#60079-6:2017 Ed.2]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **August 1, 2024**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

**Overview of Changes:** New annex for requirements for electrical equipment with Level of Protection "oc" for voltages greater than 15 kV and up to and including 245 kV. Specific details of new/revise requirements are found in table below.

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



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CLAUSE	VERDICT	COMMENT
Annex D		<p><i>New Annex added;</i></p> <p><b>Supplementary requirements for electrical equipment with Level of Protection "oc" for voltages greater than 15 kV and up to and including 245 kV</b></p> <p>The voltage of explosion protected electrical equipment was limited for Level of Protection "oc" up to 15 kV RMS AC or DC. Application of higher voltages exists to supply offshore plants that are a long distance from the coast. Voltage levels up to 245 kV AC RMS or DC are needed to allow power transmission up to some hundred kilometres from shore to offshore or between locations on shore/offshore. This Annex can be applied to liquid immersed transformers, reactors, power regulators, tap changers and other liquid immersed HV electrical equipment without dedicated IEC standards such as oil-immersed swivels for HV connections, oil-immersed earthing resistors and oil-immersed switching resistors.</p> <p>See standard for details.</p>