



# Technical Bulletin

## TB 0227 - Self-contained fluid-filled cable oil

### Purpose

The purpose of this technical bulletin is to inform Endeavour Energy employees and contractors of the requirements for oil used in self-contained fluid-filled cables (SCFF).

### Background

The current MMI0033 – Maintenance of self-contained fluid-filled cables (am 0) does not specify what type of oil is to be used in SCFF cables. The standard does however mention that SCFF cables must use low viscosity insulating fluid such as mineral or synthetic oil.

The Environmental Control Standards has actioned that the standard must state that the oil used in SCFF cables must be biodegradable to reduce the environmental impact of a spill or leak.

### Actions

Endeavour Energy historically engages Ausgrid to maintain SCFF cables in our network.

Currently the synthetic oil used is T3788 Benzene, C10-13-Alkyl Derivatives, which is biodegradable oil. Hence, no action is required but to amend the standard next update.

### Impacted Standards

The contents of this technical bulletin will be included in the next update of the following standard(s):

- MMI 0033 – Maintenance of self-contained fluid-filled cables