

VOLTWAY N3

High quality switch oil

Product description

VOLTWAY N 3 is a switch oil based on solvent-refined mineral oil without any additives. The oil has naturally good oxidation stability, i.e. it ages very slowly.

Application areas

VOLTWAY N 3 is recommended for all types of oil-filled switches and switchgear at ambient temperatures of between -45°C and +45°C. VOLTWAY N 3 isolates the live components and extinguishes the arcs that occur during switching.

Characteristics and advantages

VOLTWAY N 3 works very well as a switch oil, as it exhibits low viscosity in cold conditions. One part of the oil is vapourised to extinguish the arcs in the switch. VOLTWAY N 3 is based on solvent-refined mineral oil without any additives. VOLTWAY N 3 contains no corrosive sulphur, which protects the switch's components against corrosion. The oil has naturally good oxidation stability and consequently ages slowly.

Tests and approvals

Swedish Standard SEN 404 03 26. IEC Publication 296 class III (1982). IEC Publication 474. ASEA 7 1301-102 (11713011-102)

Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available on www.statoillubricants.com or supplied on request.

Typical Data

Characteristics	Typical value	Unit	Method
Acid number	0.01	mg KOH/g	ISO 6618
Breakdown voltage-before treatment	50	kV	IEC 60156
Breakdown voltage-after treatment	70	kV	IEC 60156
Flash point PM	100	°C	
Pour point	-70	°C	
ISO 2719	Viscosity at 40°C	3.17	mm ² /s
ISO 3016	Density at 20°C	861	kg/m ³
ISO 3104	Dielectric dissip. factor	0.001	-
ISO 12185	at 90°C		
IEC 60247			

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