



VZEN
INDUSTRIES
PRIVATE LIMITED



TRANSFORMER OIL

Vzen Lubricants – Transformer Oil

Description

Vzen Transformer Oil is a series of high-performance oils specially developed to satisfy different application and various equipment needs. This uninhibited electrical insulating oil is made of superior quality base oil for use as an insulating and heat transfer media in electrical systems. It is hydrotreated low aromatic oil and also free from polar compounds. This ensures high oxidation stability and ageing properties, extending the life of the product. The transformer oil has excellent dielectric properties, high flash point, good oxidation and thermal stability which give minimum power losses and better insulation.

Application

Vzen Transformer Oil is used as a quenching media for power and distribution electrical apparatus such as transformers, switchgears, capacitors and other allied equipment. Anand Transformer Oil has very high oxidation stability and excellent ageing properties resulting in long product life.

Benefits

Vzen Transformer oil is used to insulate high-voltage electrical infrastructure such as transformers, capacitors, switches and circuit breakers. Vzen Transformer oils are designed to operate effectively at very high temperatures and used in cooling, insulating, and stopping corona discharges and arcing.

Specification

Vzen Transformer Oil IS 335:2018 (Type II) – Uninhibited

Product characteristics

SI No	Characteristics	Test Method	Value
1.	Appearance	Visual	Clear
2.	Colour	Visual	Transparent
3.	Density, g/cc @29.5°C	IS:1448 (P-16)	0.8336
4	Kinematic Viscosity @0°C, cSt	IS:1448 (P-25)	83.74
5	Kinematic Viscosity @40°C, cSt	IS:1448 (P-25)	13.34
6	Flash Point, PMCC, °C	IS:1448 (P-21)	174
7	Pour Point, °C,	IS:1448 (P-10)	-15
8	Neutralisation Value, mg KOH/ g	IS:1448 (P-2)	0.0
9	Corrosive Sulphur	DIN 51353	Non-corrosive
10	Electric Strength (Break Down Voltage) New Unfiltered Oil, kV	IS: 6792	70
11	Dielectric Dissipation Factor (tan δ) @90°C	IS: 16086	0.00023
12	Oxidation Stability a) Neutralisation Value after oxidation, mg KOH/g b) Total Sludge after oxidation, % by wt.	IS: 12422, Method C, 164 hrs.	0.022 NIL
13	Water Content, ppm	IEC 60814	14
14	PCA, %	IP: 346	0.0
15	PCB, ppm	IS: 16082	ND
16	Presence of Oxidation Inhibitor	IS: 13631	Absent

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bung position at 3'o'clock 9 'o clock position
- Barrels should be kept away from dusty or heated areas as much as possible
- During handling any contact with dust must be avoided.
- Keep containers dry tightly closed to avoid moisture absorption and contamination.

Health and Safety

- Avoid contact with skin and eyes.
- Do not store any petroleum products near heat or open flame.
- Do not breathe dust.
- Prevent spillage from entering drains or water sources.
- In case of eye / skin contact rinse with plenty of water.

Packing

20 Ltrs, 50 Ltrs and 210 Ltrs

Advice

Due to continual upgradation of products above data is subject to change without notice. This supersedes our previously issued data sheets.

Information and data given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of a product for a particular use is beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE.

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