



1 Regent Business Centre
Revenge Road
Chatham
Kent
ME5 8UD

Tel: 01634 861 200
mail@edenoil.co.uk

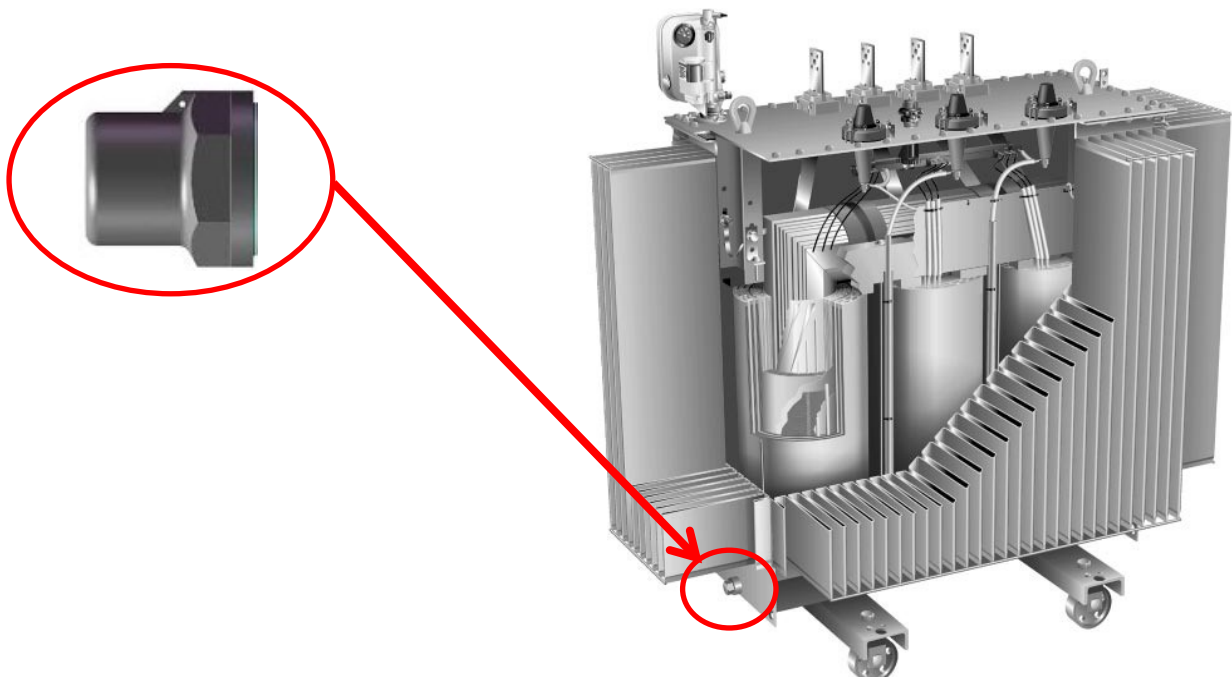
Sampling Transformers Fitted with DIN42551 Valves To be used in conjunction with manufactures guides and manuals

Required Equipment

- DIN 42551 Valve Adapter
- Bucket or empty container and funnel.
- Spill kit.
- Rubber Gloves.
- Hand tools
- Thermometer.
- Absorbent Wipes.
- 500ml sample bottle.
- Sample Label.

Best Practice for a true representative sample

- Familiarise yourself with manufactures guides and manuals.
- Follow company safety rules and risk assessments regarding transformer isolations and Permit To Work.
- Avoid taking sample in poor weather.
- Store sampling equipment in a clean, dry environment.
- Do not use a bottle that has been used for other liquids.
- 2-5 litres should be allowed to run quickly into the bucket / container before taking the first sample.
- Do not adjust the transformer DIN42551 valve once a reasonable flow has been achieved, if necessary, the oil flow can be controlled using the secondary valve on the DIN 42551 Valve Adapter.



Process

- Clean work area and place oil spill sheet below sample valve.
 - It is highly likely that oil will drip when the outer cover is removed from the sample point and in some cases the inner valve has a small but continuous leak.
- Remove outer cover from DIN42551.
- Clean inner valve.
- Check which end of the central bar in the adapter fits the valve aperture, it may be necessary to loosen adaptor collar to remove and reverse the central bar.
 - Some DIN42551 use a hexagonal head in which case a socket set can be used on the bar end.
- Attach valve adapter to sample point – hand tight only to prevent cracking the adapter body.
- Fit new tubing to the adapter.
- Slide central adapter bar in to the valve fitting.
- Slowly turn the bar anti-clockwise, a spanner may be required if the valve is particularly tight.
- Stop turning when an oil flow is established – do not fully unscrew the inner valve.
- Using the secondary valve on the adapter establish a quick flow of 2-5 litres of oil into the bucket / container.
- Rinse the sample bottle and lid two or three times to prevent sample contamination – do not shake the bottle.
- Slowly fill the sample bottle from the bottom avoiding air bubbles.
- Leave approximately 2.5-3.0cm from the top of the bottle to allow for expansion.
- Screw the cap into place until it “bites” no not over tighten and risk stripping the thread.
- Close the transformer sample valve
- Remove the adapter – oil will spill out of the adapter body – have a spill sheer to hand.
- Replace DIN42551 outer cover.
- Record details on the label.
- Reuse Eden packaging to return sample for analysis.
- Responsibly dispose of the ‘run off’ oil and used spill sheets.

