

How To Submit Transformer Fluid Samples



QUICK OVERVIEW

- DGA analysis requires samples be taken with a glass syringe.
- The glass syringes frequently break during return shipping and are therefore shipped in a protective case.
- Enough materials are sent in order to take either 3 or 6 samples.
- For full transformer fluid analysis take both a syringe sample (30-40 ml) and a bottle sample (800-1000 ml).

TRANSFORMER FLUID SAMPLING KIT

WearCheck provides all the necessary sampling hardware in a protective case for your Transformer Sampling requirements. Each case contains either three (3) or six (6) sample syringes, with stopcocks, sampling forms, and information sheets. Along with the case you will receive 1 liter sample bottles. Please return all materials (used and unused) when you have completed your sampling. Any unreturned materials will be billed as follows;

Item	Qty	Cost
Syringe	3 or 6	\$40.00
Stopcock	3 or 6	\$8.00
Sampling Valve	1	\$50.00
Case	1	\$95.00

When taking your transformer fluid samples ensure that you provide adequate sample volume and use the appropriate container. The table below shows the test method, volume of oil required for the test, and the container that should be used. DGA analysis requires a sample taken with the syringe, while all other testing uses oil from the sample bottle.

Test Method	Volume Required	Container
Dielectric BDV ASTM D1816	700 ml	Bottle
Interfacial Tension ASTM D971	50 ml	Bottle
Specific Gravity ASTM D1298	25 ml	Bottle
Acid Number ASTM D664	15 ml	Bottle
Moisture Content ASTM D1533	10 ml	Bottle
Color ASTM D1500	25 ml	Bottle
Dissolved Gases ASTM D3612	20 ml	Syringe
Furans HPLC	40 ml	Bottle



Contact Info

For assistance in USA..... Phone 1-800-237-1369
 For assistance in Canada..... Phone 1-800-268-2131



You can also e-mail us at info.sales@wearcheck.com

THE LEADER IN OIL ANALYSIS

SAMPLING INSTRUCTIONS



The Transformer Testing Kit comes with a case containing either three (3) or six (6) sample syringes (for DGA analysis), and up to six (6) 1 liter sample bottles for transformer fluid (remainder of testing).



The forms are located in the case. Stick the lower right label from the form on the sample syringe. Take your sample (see our How To on Taking Transformer Fluid Samples located in this case) and return the syringe to its spot in the case.



Place the lower left label from the form on the sample bottle. Take your fluid sample. Ensure that you fill the bottle with enough fluid (800-1000 ml).



Once you have taken all your samples, ensure that the syringes are packed in the case, the foam top is replaced over top of the syringes, and all the materials, including the completed sample forms are put in the case.



Use the supplied zip ties to secure the eyelets on the case so that the case does not unintentionally open during shipping. If you have bottle samples as well, put the case and bottles into a shipping box and return to the laboratory using the prepaid return shipping label.



NOTE: You may use one (1) to six (6) syringe / sample bottles. Ensure that you return any unused syringes/bottles with the kit, or you will be billed for missing materials.

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