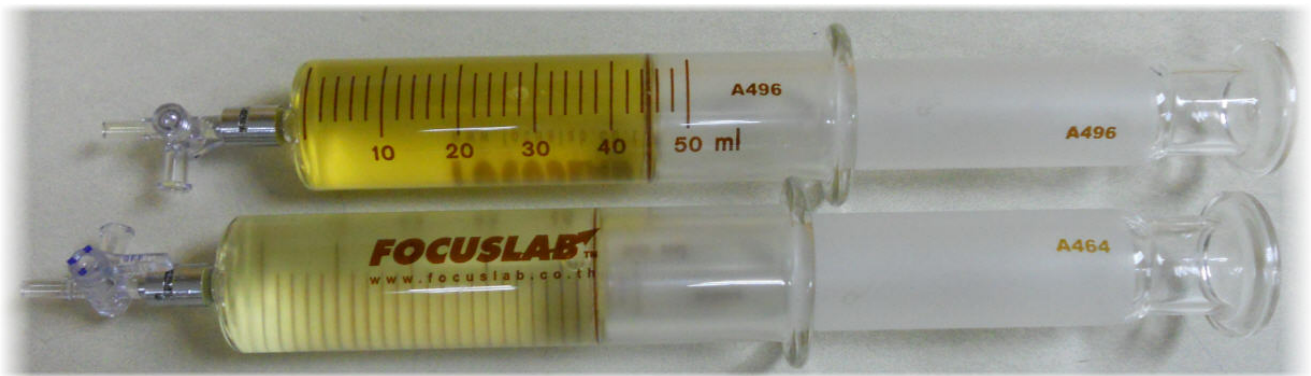




FOCUSLAB™

Transformer Oil Analysis

The Quality & Precision Sampling



Designation: D 3613 – 98

AMERICAN SOCIETY FOR TESTING AND MATERIALS
100 Barr Harbor Dr., West Conshohocken, PA 19428
Reprinted from the Annual Book of ASTM Standards. Copyright ASTM

Standard Practice for
Sampling Insulating Liquids for Gas Analysis and
Determination of Water Content¹

IEC
60567



Obtain proficient samples for your transformer oil analysis program .

Our 50 ml glass syringes are dedicated for sampling transformer oil for tests such as :-

- DGA (dissolved gas-in-oil analysis) ASTM D 3612 -C
- Moisture/water content in oil ASTM D 1533
- Furanic Compounds in oil . ASTM D 5837

The high precision glass sampling syringes are available with the following accessories ;
3 way stopcocks , sampling tubing , box and sample bottles ,etc



www.focuslab.co.th

Transformer Oil Analysis



Physical & Chemical Properties (Fluid Properties)

Color	ASTM D1500
Specific Gravity	ASTM D 1298
Acid Number	ASTM D 974
Interfacial Tension	ASTM D 971
Oxidation Inhibitor Content	ASTM D 2668
Viscosity at 40 c	ASTM D 445

Dielectric Properties (Electrical Properties)

Dielectric Breakdown (Disk)	ASTM D 877
Dielectric Breakdown (VDE)	ASTM D 1816
Power Factor at 25 c	ASTM D 924
Power Factor at 100 c	ASTM D 924

Dissolved Gas Analysis (DGA) ASTM D 3612C

Moisture /water ASTM D 1533

Furanic Compound ASTM D 5837

Particle Count ISO 4406 /NAS
Metal Element Analysis ASTM D 6595
Ferrographic Analysis In House

Corrosive Sulfur ASTM D 1275B
Corrosive Sulfur (CCD Test Method) IEC 62535 (formerly CIGRE TF A 2.32.01)
Total Sulfides In House
Passivator content Cigre

Oxidation Stability by Pressure Vessel ASTM D 2112

Flash Point ASTM D 92
Fire Point ASTM D 92

