

Sampling Management with EGS Techniques

1. Specification of sampling

	Power Transformers > 5 MVA	Small hermetical transformers < 5 MVA	
Insulation liquid	> 1 t (free flow)	< 1 t (hermetic sealing)	
<u>EGS techniques</u>	<u>EGS-Oil-2</u>	<u>EGS-Oil-2 / EGS-P</u>	<u>EGS-100</u>
Sampling volume	> 5 l	< 2,5 l (Preservation of hermetical conditions)	< 0,75 l (Preservation of hermetical conditions)
Volume of sample	1,25 l	1,25 l	0,1 l
Analytical parameters	VDE ¹⁾ , DGA, Furans	VDE ¹⁾ , DGA, Furans	DGA, Furans, possibly H ₂ O
Options	<u>EGS-P Coupling</u> at low temperatures (Filling Help)	Repatriation of external insulation liquid	Repatriation of caught insulation liquid (0,5 l)

2. EGS Technique Component



Service Box EGS-S



Sampling Box EGS-Oil-2



Sampling Box EGS-100



Oil Pump EGS-P

3. Transport Logistics



EGS-6T
small sampling



EGS-20T
big series sampling



Oil-3T
small series sampling



Oil-15T
big series sampling



EGS-Oil-1T
single sampling (complete)



RSP-10
single sampling (resaturation)



EGS-100T4



EGS-100T7