

QUESTIONNAIRE ON OIL TREATMENT PLANTS

This questionnaire will facilitate your enquiry and our tendering. Please check each item which applies for you! We shall offer the equipment which matches your specifications or whichever comes closest!



Customer

COMPANY NAME	
P.O.BOX	
STREET ADDRESS	
POSTAL CODE / CITY	
STATE / PROVINCE	
COUNTRY	
PHONE	
FAX	
CONTACT PERSON	
POSITION / TITLE	
DEPARTMENT	
DIRECT PHONE / MOBILE	
E-Mail	

1. What is the plant to be used for ?

Oil filtration

<input type="checkbox"/> Oil filtration only
<input type="checkbox"/> Oil filtration with heating
<input type="checkbox"/> Oil filtration with dewatering (Adsorption filter elements)
<input type="checkbox"/> Oil filtration with regeneration (Fuller earth's cartridges)
<input type="checkbox"/> Other, specify

Oil treatment (purification)

<input type="checkbox"/> Standard oil treatment plant
<input type="checkbox"/> Oil treatment and transformer evacuation, with second vacuum pump (End vacuum =1mbar)
<input type="checkbox"/> Oil treatment and transformer evacuation, with additional roots pump (End vacuum =0.1mbar)
<input type="checkbox"/> Oil treatment with conventional regeneration plant
<input type="checkbox"/> Oil treatment with regeneration and reactivation plant
<input type="checkbox"/> Oil treatment plant with Hot Oil Spray system
<input type="checkbox"/> Other, specify

2. Specify largest and typical transformer to be treated and/or dried

Type of Transformer			
Voltage		and	
Power rating		and	
Oil content			
Total weight			

3. Fluid to be treated

<input type="checkbox"/> Mineral oils naphthenic e.g. Shell Diala
<input type="checkbox"/> Synthetic ester oils.....e.g. Midel7131
<input type="checkbox"/> Natural ester oils..... e.g. FR3
<input type="checkbox"/> Gas to liquid oils (GTL).....e.g. Shell S4 ZX-1
<input type="checkbox"/> Capacitor oils..... e.g. SAS60E
<input type="checkbox"/> Turbine oils..... e.g. DTE 800
<input type="checkbox"/> Silicon oils..... e.g. DC 561
<input type="checkbox"/> Lubrication oils..... e.g. ISO VG46
<input type="checkbox"/> Hydraulic oils..... e.g. Agrola HLP46, Telus 46
<input type="checkbox"/> Other, specify

4. Desired through flow capacity

The following standard units are available:

<input type="checkbox"/> VOP05	300-500lt/h
<input type="checkbox"/> VOP10	500-1000lt/h
<input type="checkbox"/> VOP20L	800-2000lt/h
<input type="checkbox"/> VOP30	1000-3000lt/h
<input type="checkbox"/> VOP40L	1500-4000lt/h
<input type="checkbox"/> VOP60	2000-6000lt/h
<input type="checkbox"/> VOP80L	2000-8000lt/h
<input type="checkbox"/> VOP90	3000-9000lt/h
<input type="checkbox"/> VOP100L	3500-10'000lt/h
<input type="checkbox"/> VOP120	4000-12'000lt/h
<input type="checkbox"/> VOP160	6000-16'000lt/h
<input type="checkbox"/> VOP200	8000-20'000lt/h
<input type="checkbox"/> VOP300	10000-30000lt/h
<input type="checkbox"/> Others, specify	

Oil flow capacity

For oil treatment over degassing tank (Basic plant)		l / h
For transformer heating without degassing (Optional by-pass system required)		l / h

5. Desired residual gas (air) content

After one pass		% (Vol)
After three passes		% (Vol)
Other, specify		% (Vol)

6. Desired residual moisture content

After one pass		ppm
After three passes		ppm
Other, specify		ppm

7. Desired filter fineness

<input type="checkbox"/> 5 micron		
<input type="checkbox"/> 1 micron		
<input type="checkbox"/> Other, specify		micron

8. Installation

<input type="checkbox"/> Stationary, on shop floor	
<input type="checkbox"/> Mobile, on shop floor	
<input type="checkbox"/> Mobile for road transportation	
<input type="checkbox"/> With single axle trailer (max. 3,5T) with tarpaulin	
<input type="checkbox"/> With double axle trailer (max. 3,5T) with aluminium cover	
<input type="checkbox"/> With frame and tarpaulin	
<input type="checkbox"/> With frame and aluminium cover	
<input type="checkbox"/> With 20ft Side door open container	
<input type="checkbox"/> With trailer chassis for 20ft Container	
<input type="checkbox"/> Other, specify	

9. Power supply

<input type="checkbox"/> 3ph 4 wire* 400 V
<input type="checkbox"/> 3ph 4 wire* 415 V
<input type="checkbox"/> 3ph 4 wire* 460 V
<input type="checkbox"/> 3ph 4 wire* 480 V
<input type="checkbox"/> Other voltage (specify)
<input type="checkbox"/> Commutable voltage 3ph 230V & 3ph 460 V (4wire*)
<input type="checkbox"/> Other Commutable voltage (specify)
<input type="checkbox"/> Frequency 50 Hz
<input type="checkbox"/> Frequency 60 Hz

*no neutral wire

10. Optional equipment's

<input type="checkbox"/> Power cable 20m without plug	
<input type="checkbox"/> 2pc oil hoses each 10m long with camlock couplings	
<input type="checkbox"/> 2pc oil hoses each 10m long with flange connection	
<input type="checkbox"/> External feeding pump e.g. for Hot oil spray process, or transformer is under vacuum	
<input type="checkbox"/> Second fine filter	
<input type="checkbox"/> Rollers for indoor use	
<input type="checkbox"/> Other, specify	

11. Instrumentation

<input type="checkbox"/> Oil flow meter analogue indication (accuracy +/-6%)	
<input type="checkbox"/> Oil flow counter with indication on touch screen (accuracy +/-6%)	
<input type="checkbox"/> Oval gear type oil flow counter with indication on touch screen (accuracy +/-1%)	
<input type="checkbox"/> Moisture and total gas content measuring type VZ212A (outlet indication in ppm)	
<input type="checkbox"/> Dew point measuring instrument (available for Mineral oil, Midel7131 and FR3 in ppm)	
<input type="checkbox"/> Lab Tan Delta measuring type VZ220A	
<input type="checkbox"/> Online Tan Delta measuring type VZ220A-online (for inlet or outlet indication)	
<input type="checkbox"/> Particle content, sample measuring	
<input type="checkbox"/> Dielectric strength, sample measuring	
<input type="checkbox"/> Other, specify	

12. Language for plates and instruction manuals

<input type="checkbox"/> German	
<input type="checkbox"/> English	
<input type="checkbox"/> French	
<input type="checkbox"/> Other, specify (against additional price)	

13 Special feature or execution

<input type="checkbox"/> Vacuum pump system for transformer evacuation	
<input type="checkbox"/> Hot oil spray drying in the field	
<input type="checkbox"/> Online supervision for treatment on energised transformer	
<input type="checkbox"/> MVA Online remote support	
<input type="checkbox"/> CSC Approval certificate for Container	
<input type="checkbox"/> Paint finish non-standard (RAL 6011) specify (against additional price)	

14. Remarks

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Please send the form to info@micafluid.ch.

MICAFLUID Switzerland Ltd. Oil Purification Systems Gaswerkstrasse 6 CH – 8952 Schlieren / Zurich Switzerland	Phone: +41 (0)44 739 44 66 Fax: +41 (0)44 739 44 68 E-Mail: info@micafluid.ch Internet: www.micafluid.ch
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