



Oil & Gas

NORKOOL DESITHERM™ Sampling Procedure

- 1) Label and organize the sample bottle(s).
- 2) Complete the Analysis Request Form in its entirety.
- 3) Complete the Sample Bottle Label.
- 4) Retrieve and fill the bottle(s) with at least 4-6 ounces of fluid. Gather a representative sample of the system using these guidelines: (Consult the MSDS for proper material handling and PPE requirements.)
 - a. The system containing the fluid should be circulated for several hours prior to pulling a sample. If the system is not in operation, it should be well mixed. Agitation of convectively circulated systems is recommended.
 - b. The sample collection point should be from the main loop. A stainless steel quill is recommended. Solids that are sitting in a pipe may give an erroneous impression as to the condition of the fluid. Flush an adequate amount of fluid through the sampling point so that the sample is representative of the entire system.
 - c. For glycol dehydration systems, lean and rich samples are recommended for proper system evaluation. The lean sample can be obtained downstream of the reboiler, or upstream of the contact tower, depending on the system design. The rich sample should be taken downstream of the contact tower, or upstream of the still column. Be sure to identify the samples as lean or rich on the bottle and analysis request form.
- 5) Close the bottle caps tightly and seal with an appropriate tape.
- 6) Place the sample bottle(s) in the zip lock plastic bag and place them in the box and surround each with shredded paper, or an absorbent if available. Include the completed Analysis Request Form in the box with the sample(s).
- 7) Only the **NORKOOL DESITHERM™** (TEG) samples will be shipped to

Dow Oil & Gas Lab B-1605
2301 N. Brazosport Blvd.
Freeport, TX 77541
Phone 979-238-2449

- 8) All NORKOOL™ and/or AMBITROL™ samples (EG or PG) will be shipped to *Larkin Labs - 1691 North Swede Road Midland, MI 48674; Phone 1-800-232-2436.*
- 9) Samples containing ethylene, propylene, or triethylene glycol can be shipped via UPS or Federal Express.
- 10) Allow 3 to 5 business days for the lab to receive your sample and an additional 2 to 3 business days for the tests to be completed and returned to the designated person.
- 11) If you have any questions, please contact your local supplier or the Dow Oil & Gas Lab (979-238-2449).

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