



Grease Sampling Kit for Wind Turbine Main Bearings – With Drain Access Plug MGT-01-067

Enclosed in the kit:

- One shipping envelope
 - Eight (8) sealed sleeves, each containing:
 - One (1) Grease Thief
 - One (1) yellow cap
 - One (1) 10ml syringe with cap
 - One (1) plastic spatula
 - One (1) Blank Equipment Label
 - One (1) shipping tube
1. Tear open bag and remove yellow cap from Grease Thief by pulling straight off or twisting slightly.
 2. Attach the Grease Thief piston-handle to the T-handle tool by inserting the end of the Grease Thief handle into the slotted cutout in the black rod



3. Insert the black rod into the white receiver, with the circular hole end of the rod entering the T-end first.



4. Thread the base of the Grease Thief into the female threads in the pusher tube, and insert the locking knob into the proper hole to set the depth of the sample.



5. Position 1 places the end of the Grease Thief ~2 11/16" (7 cm) from the opening of the bearing when

- fully extended. Each position increase adds $\sim 13/32$ " (1cm) to that depth. When changing position, measure and confirm that the proper depth has been set.
6. Position the pusher tube so that the red piston is flush with the end of the Grease Thief.
 7. Open the access plug, and fully insert the Grease Thief and T-handle into the drain until the Tees contact the housing face.
 8. Slide the pusher tube forward, while holding the Tees firmly against the housing face, to core a grease sample close to the bearing.
 9. When the pusher rod has been slide completely forward, hold it in that position as the T-handle and Grease Thief are withdrawn from the housing and access hole.
 10. Using a clean rag, wipe the excess grease from the T-handle parts and the OUTSIDE of the Grease Thief body, being careful not to contact the grease inside.
 11. Remove the locking knob from the positioning hole AND the black rod. Unthread the Grease Thief from the pusher tube, while allowing the black rod to spin with the Grease Thief body.
 12. If there is insufficient grease to sample using the T-handle, utilize the spatula to gather grease from within the drain area, and pack into the opened syringe. The syringe is opened by removing the plunger.
 13. Additional grease can be put into the Grease Thief by reinserting the plunger in the syringe, and pushing grease into the Grease Thief to achieve maximum fill.
 14. Prior to placing the yellow cap onto the Grease Thief for shipment, purge a small portion of the grease from the Grease Thief into the yellow cap to relieve any pressure build up from placing the cap on the full Grease Thief.
 15. Once a small portion of the grease is in the yellow cap, slide the yellow cap on the Grease Thief just far enough to engage the threads as a friction fit. This will ensure the Grease Thief is full and no sample is lost through the purge holes.
 16. Place the filled and capped Grease Thief into the shipping tube that is provided, and thread on the cap to the shipping tube.
 17. Affix the sample label on the tube, filling out all necessary information clearly and legibly, including equipment identification, sample date and time, sampler's name, and any notes or observations for the lab.
 18. Place the shipping tube inside the shipping envelope, and when all samples have been taken, or the shipping envelope is full, affix the proper postage and send to the lab for analysis.



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