

Instruction: How to take Grease

Particularly in the case of grease samples, the sampling of a representative specimen is the basis for a qualified analysis and a diagnostically conclusive statement. In its specially designed “Grease Sampling Kit”, OELCHECK provides various tools for a professional extraction of used grease samples.

- The grease can be filled into a transparent tube with the help of a large-volume syringe **A** e.g. out of the load zone of an antifriction bearing.
- With different spatulas varying in size **B** the grease can be scraped off or filled up.
- The cleaning cloth **C** can be used to clean the surroundings of the extraction site and to remove the excessive grease.

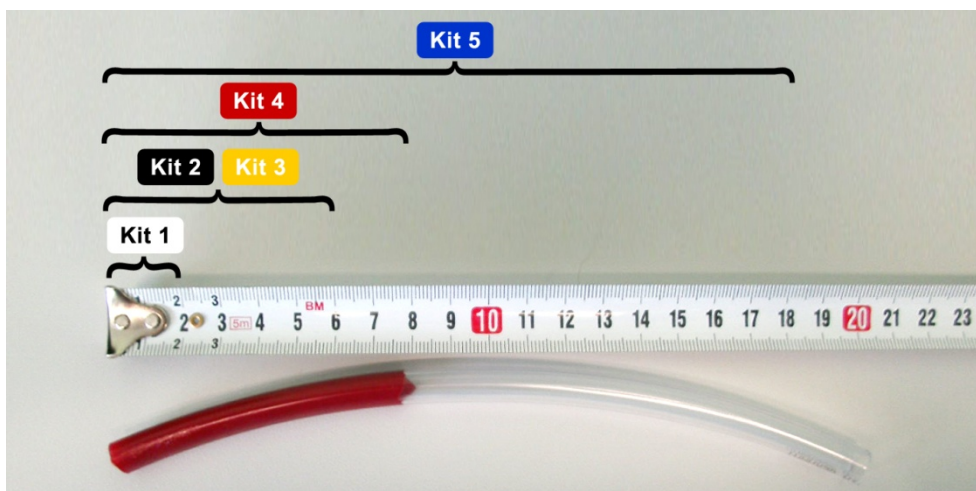


Only the filled tube, respectively the grease that has been extracted with a spatula, is put into the sample bottle **D** – not the syringe! The sample is then forwarded to OELCHECK with a filled in sample information form specially adapted for grease samples in our pre-addressed envelope.

Extracting a grease sample with the syringe

If the grease sample is taken with the syringe, the grease is only sucked into the tube which has an approximate length of 20cm. The syringe is not supposed to come in direct contact with the grease.

- plug the tube onto the syringe cone
- clean the surroundings of the extraction site with the cleaning cloth
- suck the grease into the plastic tube, watch the flow of the grease
- depending on the scope of analyses, an analysis is possible starting from approximately 1g of grease (2 cm of grease in the tube). If the tube is filled completely (8-10g), all tests included in the respective kit (1-4) can be done.



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- After sampling, pull the tube off the syringe. Bend the tube in the middle and put it into the sample bottle with the kink on top

Please note: Do not duct-tape the tube or the tube's endings.



Taking a grease sample with a spatula

If an extraction of the grease with the syringe is not possible, you can use one of the three spatulas instead. This may be the case if you have to deal with hard-to-reach bearings and inoperative components or if the sample has to be taken at the sealing lip or from pressure relief holes.

- Clean the surroundings of the extraction site with the provided cleaning cloth
- Scrape the grease off at the representative spots with the spatula
- Collect the grease which may escape due to re-lubrication directly at the sealing.
- Wipe off the grease sticking to the spatula at the lid or at the mouth of the sample bottle.



Please note: The spatulas provided in different versions and widths allow a representative sampling.



If the grease is mixed in track at a slow rotation of the bearing before sampling, you will receive a diagnostically conclusive reference sample. Make sure – via visual control – that you only draw up used grease.

Sampling procedure in case of a dismantled bearing

Suck the used grease out of the area around the cage and between the rolling elements into the tube or remove the grease from this area with a spatula.

Sampling procedure in case of an implemented bearing

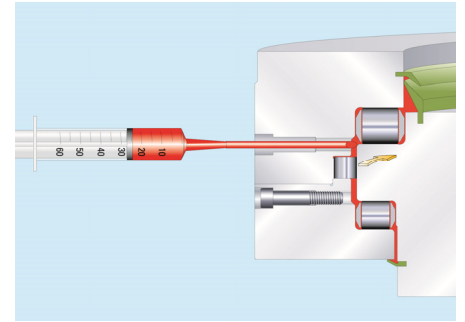
Unplug the lubricating nipple. The tube fits into its thread hole. Suck the grease into the tube until it is visually sure - due to a change in colour or structure - that it is the used grease which is in the tube.

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Sampling procedure in case of slewing bearings (diameter < 1000 mm)

Extract the grease from the dedicated boreholes. The free space behind these holes is shut with special screws during operation. The points of withdrawal shall preferably be at the tracks in the main load area. Take several samples (perhaps three) from the bearer ring hole and from the retaining ring hole at a 120° angle.



For trend analyses, always take the samples at the same spot! Provide a fresh grease sample or a grease sample that has been taken shortly before commissioning for reference purposes.

Shipping Guidelines

- Please note that we provide a special sample information form for grease samples. If you do not have this sample information form, order it via phone at +86(20)3902-6228.
- Fill in the sample information form as completely as possible.
- Stick the barcode label provided on the sample information form onto the prepaid OELCHECK-sample bottle
- Put the sample bottle into the envelope and return it to the OELCHECK CHINA LTD.
- Please make sure that the consignment is carefully packed and the courier service sheet is stuck on the envelope.

