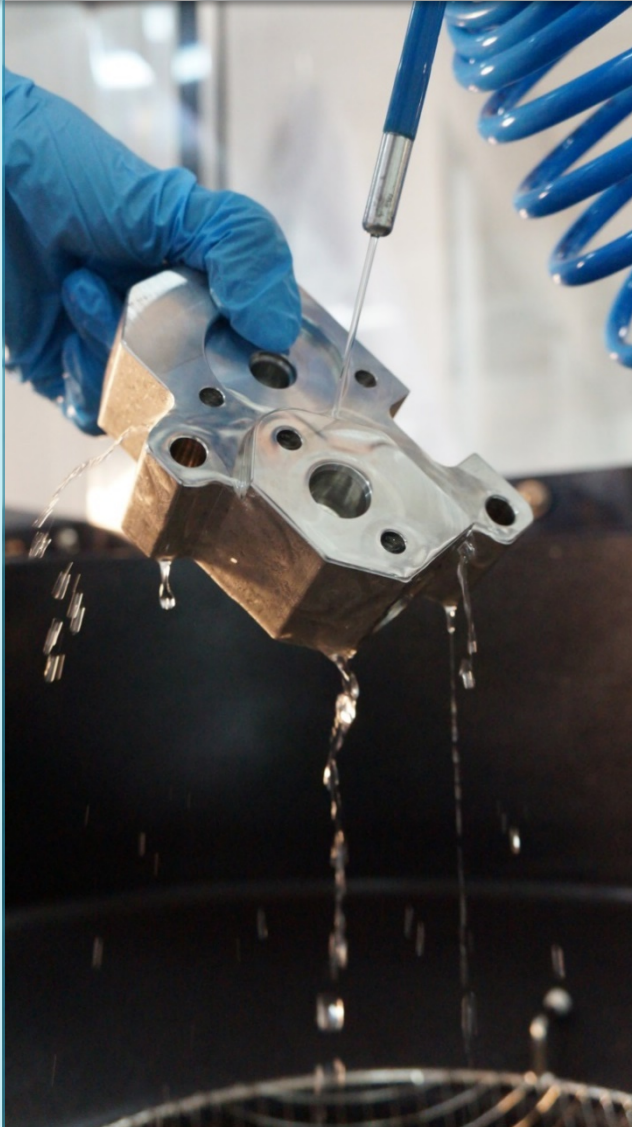


TECHNICAL CLEANLINESS

Training about the standards ISO 16232 (Road vehicles
– Cleanliness of components and fluid circuits)
& VDA19.1 (Inspection of Technical Cleanliness)

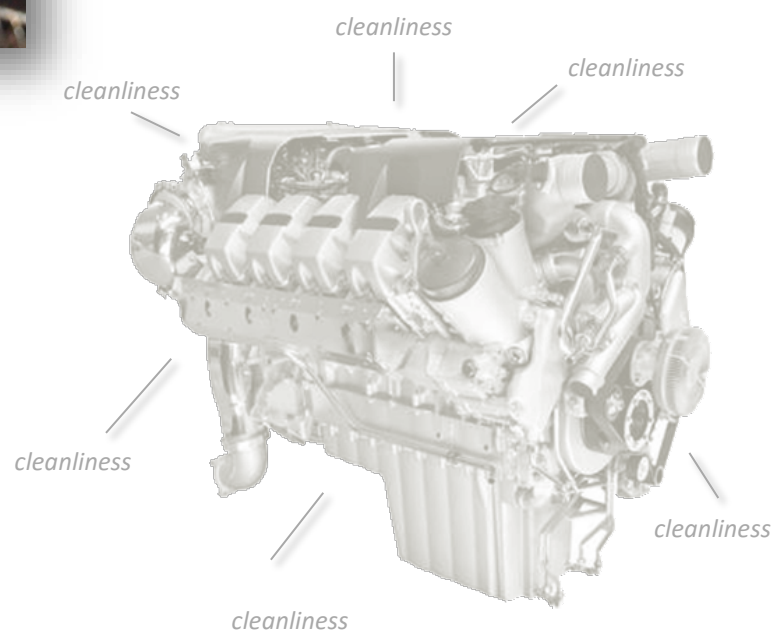


In the automotive and hydraulic sector an increasing number of components contain specifications for cleanliness in product drawings, which generates a requirement for a comprehensive particle analysis/cleanliness.

We can prepare your employee in this subject; regularly hold customer training courses on the following topics:

- Courses and workshops on the VDA 19.1 and ISO 16232 standards;
- Technical cleanliness for construction and process engineers;
- Training and raising awareness of employees on technical cleanliness;
- 5 methods: Sorting - Simplifying - Sweeping - Standardizing - Sustaining

Enge Solutions was qualified by the company Gläser GmbH in Germany and Fraunhofer IPA Institute (Stuttgart - Germany) and is replicating the Technical Cleanliness training standards ISO 16232 and VDA 19.1, we can deliver the training "in company" or in the facilities of Enge Solutions.



CONTET OF TRAINING

Some topics of the training:

- Concept of technical cleaning (technical cleanliness);
- Applications and examples;
- Extraction methods:
ISO 16232-2 / ISO 16232-3 / ISO 16232-4 / ISO 16232-5
- ISO 16232 - Road vehicles - Cleanliness of components of fluid circuits;
- Gravimetric Test, ISO 16232-6;
- Introduction to standard VDA 19.1;
- Evaluation of methods of analysis;
- New methods of extraction VDA 19.1 2015;
- Methods of counting and analysis of soil;
- ISO 16232-10 - CCC: Component cleanliness Code;
- Identification of large metal particle;
- Counting, identification and classification of particles;
- Environmental analysis, provision of laboratory / workers and recommendations;
- Methods for cleaning / examples;
- Main consequences and problems correlated to the technical cleaning;
- Environmental assessment of explanation VDA 19 Part 2, 2010;
- Influence the final product.

 **CERTIFIED EMISSION!**



Lab Cleanliness



Automatic Counting Particles Microscope JOMESA



Class room ISO Clase 8



Equipment for extraction particle Gläser GmbH

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Expertise in Technical Cleanliness

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