

Service Information

Caterpillar Motoren GmbH & Co. KG product support information for medium-speed engines

Engine platform: all
Engine section: resilient mounting

Engine type: all
Validity: until further notice

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Information for all recipients of Service Information

Action: for your information



Resilient engine mounting

Resilient mountings delivered with our engines are very reliable and hardly need any maintenance. However, as any other technical product, resilient mounting elements need some attention in order to safely reach their expected lifetime. To assure that this attention is given, we created a new job card with a service interval of 7,500 hrs. Please find this job card attached to this Service Information. Please make sure to have this job card added to your engine manuals ashore as well as on board.



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See also:

Spare parts sheets:

Personnel requirement: 1 pers.

Personnel qualification: Skilled engine hand

Operating medium: Every fuel

Activities:

1. Resilient mounting - check

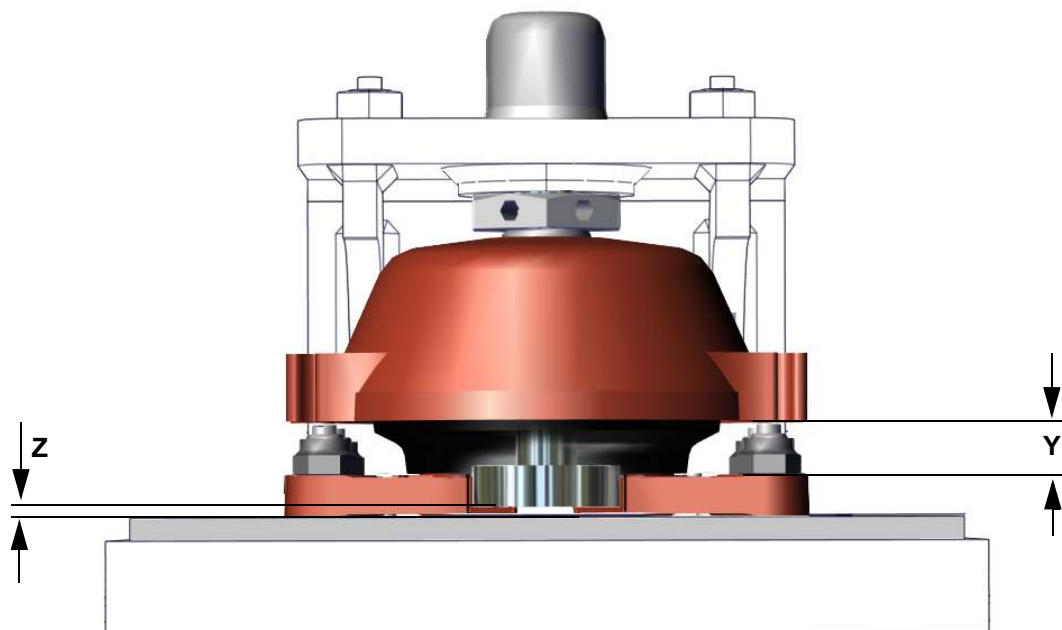
Engine type	Tools and auxiliary materials	Pos.	Tool No.	
M 20 C - VM 46 DF				*
* no picture				
** or equivalent product				

	CAUTION
	<p>Risk of disintegration of the rubber elements due to aggressive media!</p> <p>Avoid any contact of the rubber elements of the resilient mounting with oil, oily water, fuel, and other aggressive media, because this would have a detrimental effect on the service life of the elements.</p> <p>Contaminated elements should be cleaned with a mild household detergent.</p> <p>Elements showing damage such as cracks, crumbling or unusually deformed surfaces must be replaced by new conical mounts.</p>

1. **Resilient mounting - check**
2. Stop the engine.
3. Measure the central buffer clearance (1/Z).
4. If in cold condition (approx. 20 °C) the central buffer clearance (1/Z) should drop below the limit indicated in the **table**, measures must be taken.
In such a case, contact your authorized **Caterpillar** dealer.

5. Another indicator of the condition of the resilient mounting is the TB dimension (Top Bottom dimension).
6. Measure the TB dimension (1/Y) in the area of the machined surfaces at all four corners of each resilient mounting. Form a mean value **each time** from the measured values.
7. If in cold condition (approx. 20 °C) the TB mean value should drop below the limit indicated in the **table**, measures must be taken.
In such a case, contact your authorized **Caterpillar** dealer.

Bearing type	Central buffer clearance (Z) mm	"Top Bottom" dimension (Y) mm
T75	4	29
T 230	4	42
RD314	3	20
RD214	3	29
RD214X	3	59
RD112	4	46
RD114	4	30
RD114X	4	40



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Schematic diagram