



MADYN 2000, Error Report August 6th 2018

No.	Release	Error description	Workaround	Status
1	All versions	REB used as shaft in shaft connection: In case the outer shaft has high rotational deflections, the calculated REB moments are not correct.		Will be fixed in version 4.4.4
2	4.3 and before	TRA result deletion with linear bearings: Results of transient analysis were not deleted in case of bearing changes.		Fixed in version 4.3.13
3	4.3.6 and before	In the newly introduced feature to consider the thermal deformation in the floating ring bearings the nonlinear bearing and squeeze film damper forces are not looked up correctly. The error is rather small except for the case of reference temperatures considerably below the inlet temperature.		Fixed in version 4.3.7
4	4.3.3 and before	For the special case, that a DBS is used with an SFD <u>and</u> RSB the eigenvalue analysis is not running correctly.	Use a RSB or a RFB with imported data combining the properties of the SFD and the RSB.	Fixed in version 4.3.4 or 4.3.5
5	4.3.3 and before	RFB calculation with the oil supply condition "unsealed defined flow" in combination with 2-phase flow is not converging well.	For the case with a large defined flow, the analysis without 2-phase flow gives good results.	Fixed in version 4.4.0
6	4.3.0	In the newly introduced feature to consider the deformation in floating ring bearings with any reference temperature, results in the GUI are not listed correctly. They are considered correctly in all analyses.	Consider a reference temperature according to the inlet temperature of the outer film as in previous versions.	Fixed in version 4.3.1



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7	4.3.0	In the newly introduced feature to consider the deformation in floating ring bearings with stationary ring (squeeze film damper) the speed dependence is not considered correctly for the outer film. Only linear analyses are affected.		Fixed in version 4.3.1
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