



NEWSLETTER TO MEMBERS

13 February 2017

MAN Appliance

As a result of concerns expressed regards the safety of the MAN Appliance Cab and that the Cab did not meet the appropriate European Standard (ECE R29) the Union commissioned advice from a qualified Engineer. This advice is reproduced below. You will see that the conclusion that the Cab does comply with ECE R29 and in fact provides a greater level of protection than a Cab built from steel.

I have checked through all of the information provided and carried out some additional research of my own and I am satisfied that Test Report No. 200718343 is valid and that the crew cabin, as tested, complies with ECE R29.

It is worthy of note that while the tests carried out are effectively static tests where deflections are measured when a static load is applied, The performance of protective structure in the field is equally dependent on the dynamic performance of the structure and the amount of energy the structure absorbs as it begins to fail. The latest standards covering protective structures for roll over, falling object and operator protection as required by OSH NZ reflect this enhanced approach. As a general rule, glass fibre reinforced plastic performs better than steel in the area of energy absorption. Also, this material does not deteriorate with rust although it is subject to ultra violet damage. Your cabins are fully painted and do not spend a large proportion of their lives out in the direct sunlight. It could therefore be concluded that a cabin built from fibre glass and complying with ECE R29 will afford your members a greater level of protection than a cabin built from steel and complying with ECE R29. I trust that the above explanation satisfies your concerns.

*Dick (Richard) Joyce. CPeng, MIPENZ,
Tasman SV Consultants Ltd.
Director, Senior Engineer*

