

Case Study



RIVA PROSECCO

Motorjacht Riva Prosecco; A. Verhoef te Zwijndrecht

Engines: 2x 1000 pk MAN D2848 LE423

Gearboxes: 2 (one for each of the MAN engines)

Reason for test: reduction of soot emissions and noise

Prior to this test the oil used met the recommended specifications. However, when using this oil the level of noise produced by both the engines and the ventilators was perceived as irritating. To reduce the noise, it was recommended to use Dex DP1 10W40 for the engines and Dex DP2 ISO VG100 for the gearboxes.

Extensive test trips have made it abundantly clear that using Dex oils has resulted in a significant reduction in the level of noise produced by the engines. The noise which previously was transmitted via the ventilating shafts is now barely audible



Additionally, when entering the machine room it is immediately evident that the engines now emit less heat. As heat is produced by friction, it follows that friction in the engine must have decreased considerably, which would also mean that less maintenance is now required.

The so-called whining produced by the gearbox has entirely disappeared and there is no longer any knocking when changing gear. Gear clatter has also been eliminated (which previously occurred because the Vulcan couplings are made of compounds which are too hard in relation to the type and design of the MAN engine).

Furthermore, after travelling at full speed for some time, it could be established that the exhaust was no longer emitting any soot. Not even during a cold start. This indicates a more efficient combustion process and therefore a cleaner engine.

Dex has guaranteed that the oil life will be several times that of other oils due to the nanotechnology used. This guarantee could be given based on figures derived from entire fleets. A guarantee was also given with regard to a reduction in fuel use. While this was not necessarily relevant to my situation it is nevertheless an advantage from an environmental point of view.

My advice to yacht owners is therefore to give serious consideration to using Dex Premium Lubricants.

A. Verhoef