

# Silent Research Ships



# Quiet Research Ships

Gearbox

Diesel engines

Propeller

Auxilliarities (pumps, piping, electric circuits)

Hull appendages

# Quiet Research Ships

~~Gearbox~~

Electric propulsion engine &

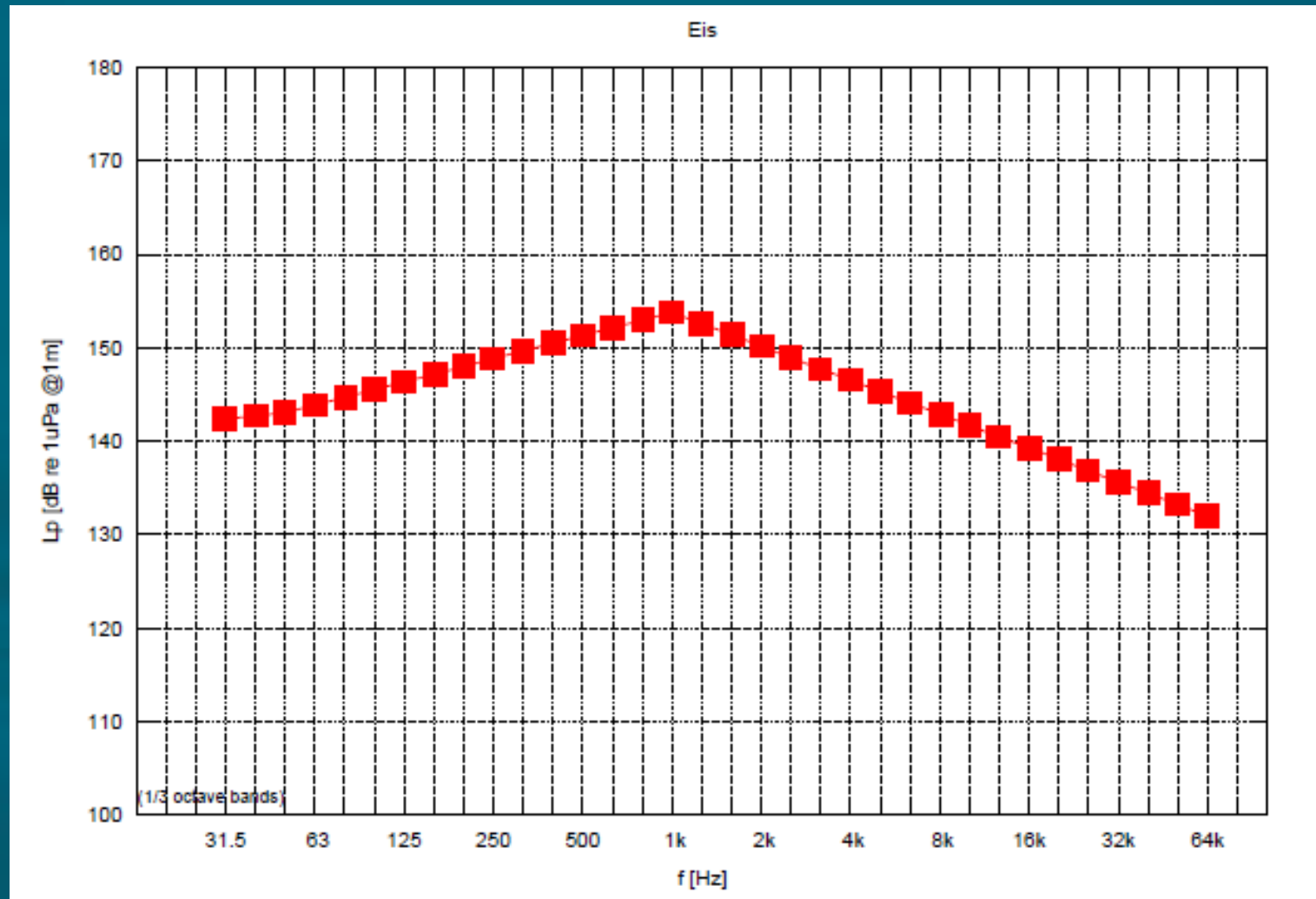
Diesel gen-set (resilient mounted)

Silent Propeller

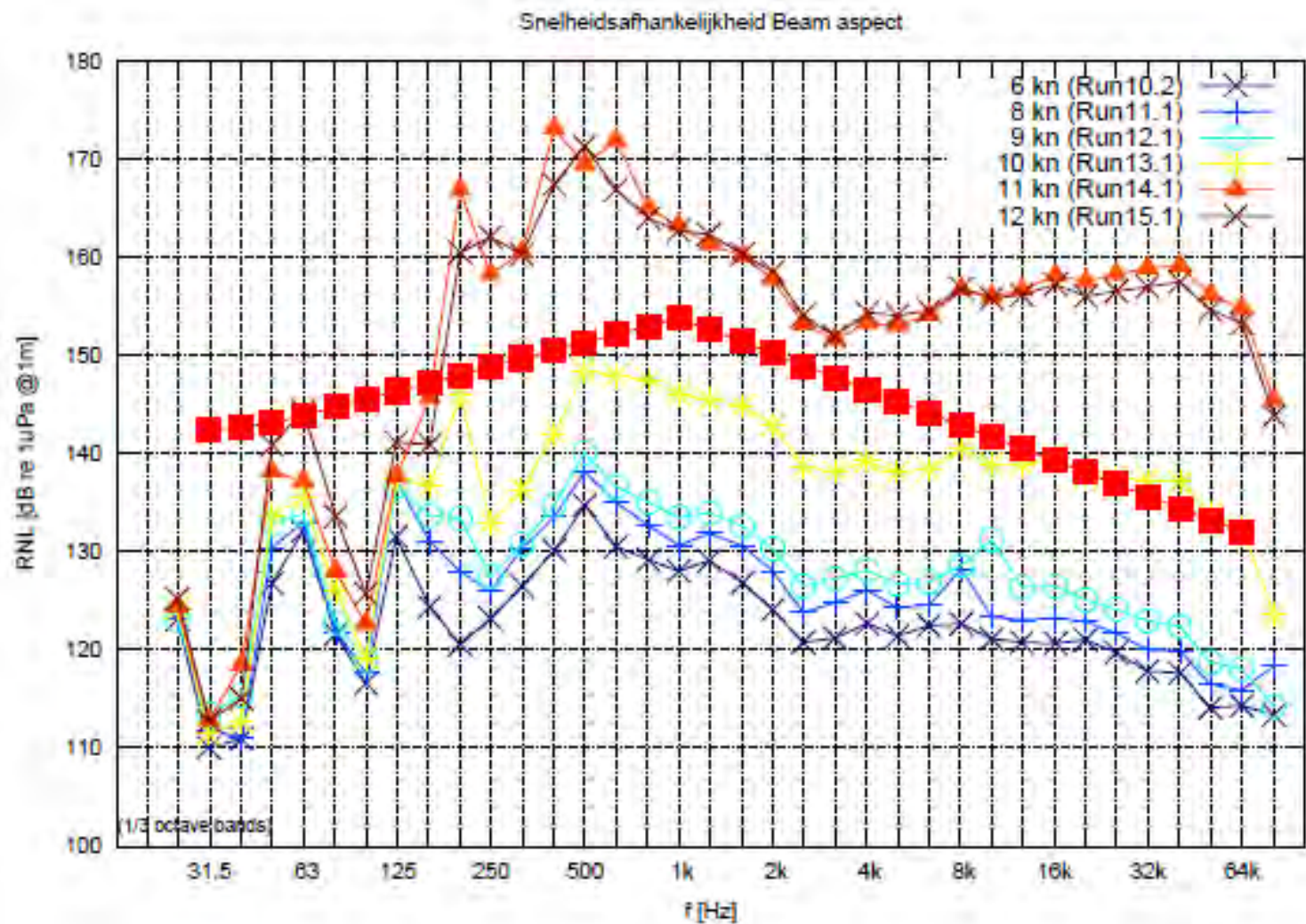
Auxilliarities (pumps, piping, electric circuits)

Hull appendages

# ICES 209



# URN profile Simon Stevin 2012



# URN profile Simon Stevin 2017?

Wear & tear

Vibration issue with turbo's

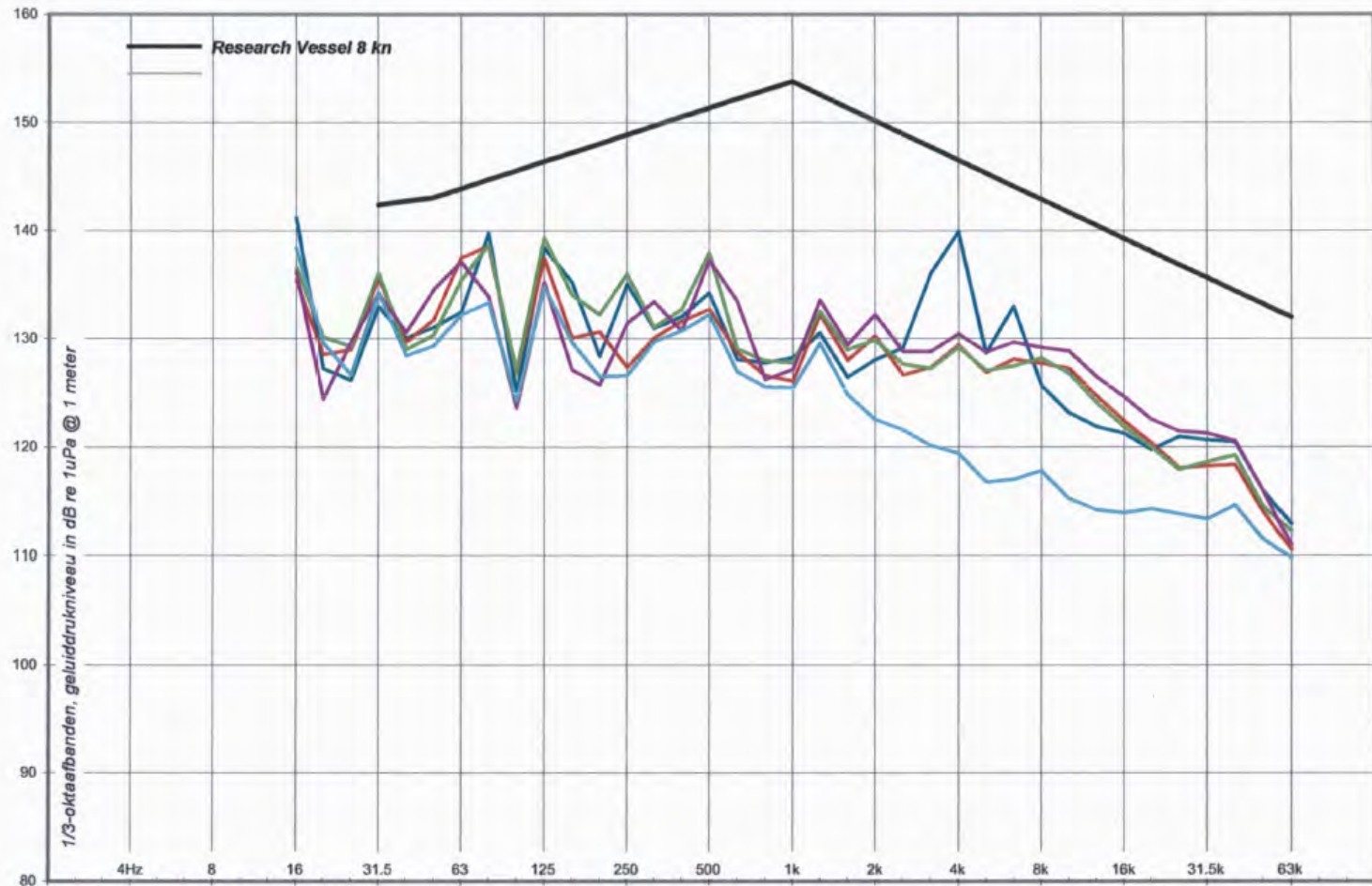
Re-desing of seawater intake

New pump for seawater intake

Issues with cooling pumps & lube pump

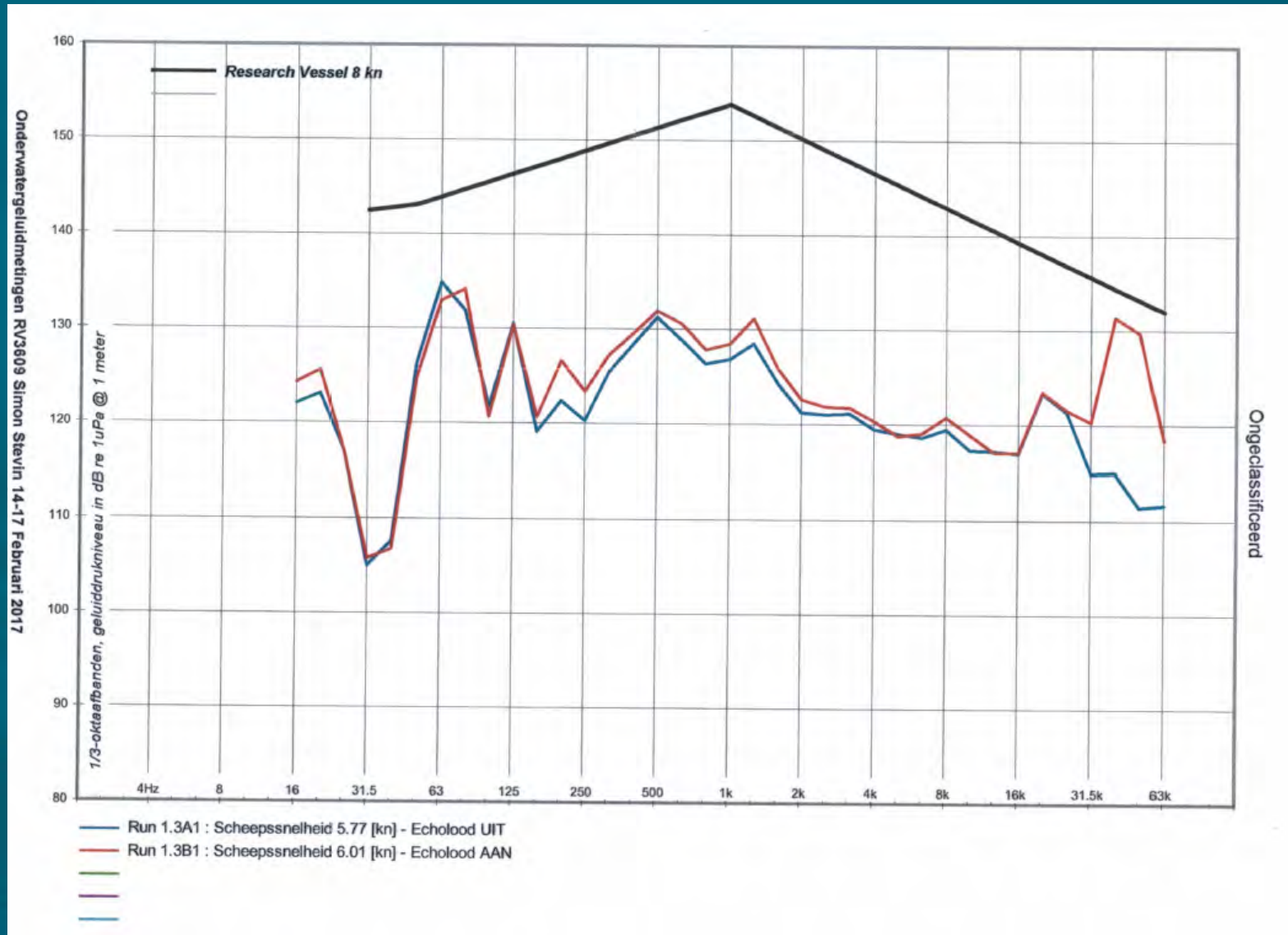
New blister for multibeam

# URN profile Simon Stevin 2017



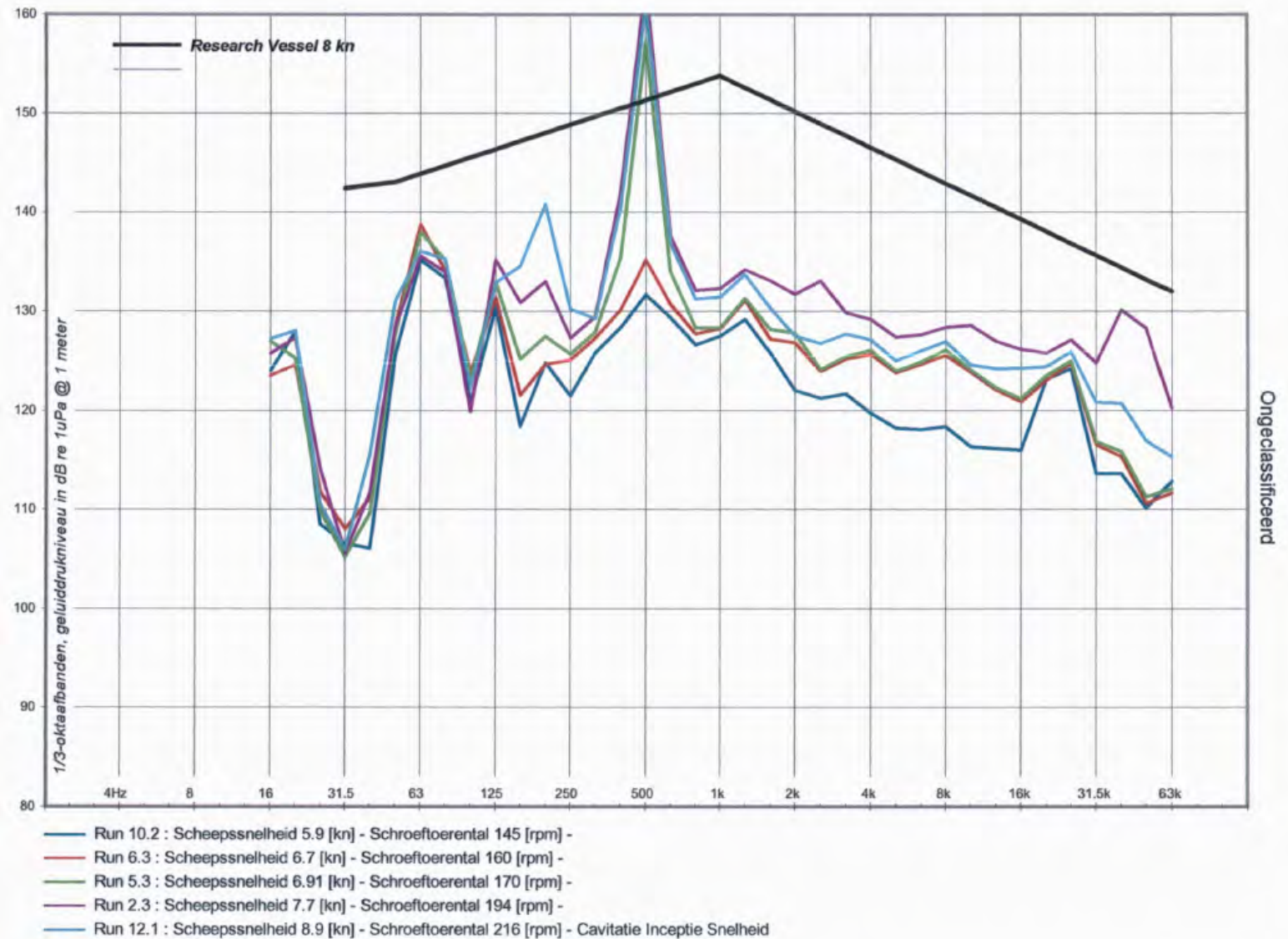
- Run 1.12 : Scheepssnelheid 6.5 [kn] - Schroeftoerental 145 [rpm] - Zelfde als 1.14, plus halen en vieren van Lenter lieren
- Run 1.13 : Scheepssnelheid 6 [kn] - Schroeftoerental 145 [rpm] - Alle zeewaterpompen AAN
- Run 1.14 : Scheepssnelheid 6.7 [kn] - Schroeftoerental 145 [rpm] - Zelfde als 4.14, maar zonder Propulsion Bearing Lub pomp
- Run 4.14 : Scheepssnelheid 2.1 [kn] - Schroeftoerental 60 [rpm] - Alles bij, behalve Non Toxic pomp, zonder vieren en halen.
- Run 1.7 : Scheepssnelheid 5.8 [kn] - Schroeftoerental 145 [rpm] -

# URN profile Simon Stevin 2017





# Too Noisy Research Ships



# Too Noisy Research Ships

