



# Sonotron NDT

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## ISONIC 2006 maps sonar defeating rubber coating on submarines

Sonar defeating rubber coating is a vital component of submarines. To ensure bonding of rubber to the light case of submarine it is required for 100% inspection and mapping of rubber-coated surfaces. Normally access for inspection is from rubber side only

Figure 1 represents cross section of typical rubber coating and signals obtained from well-bonded and de-bonded areas:

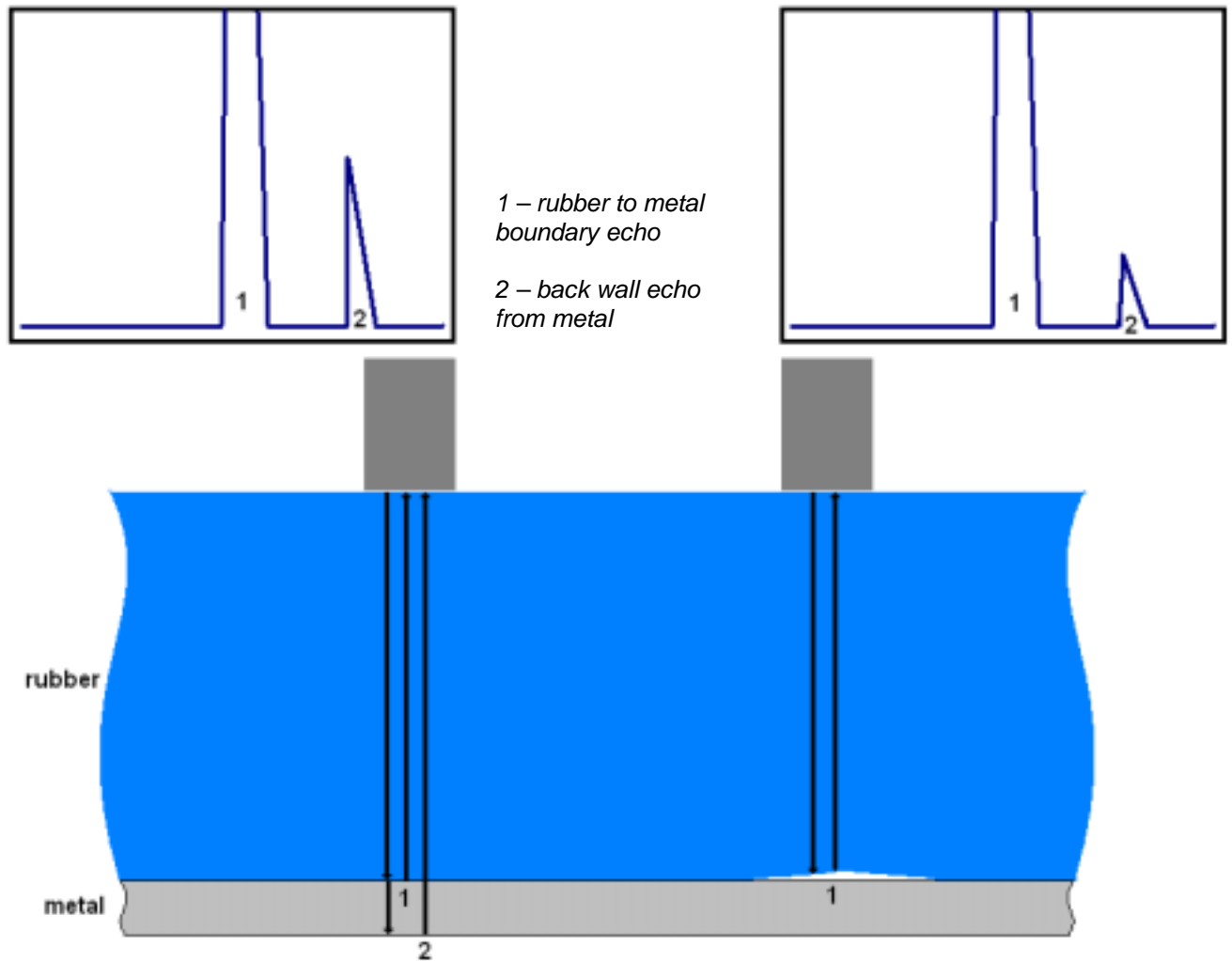


Figure 1

Figure 2 represents sample of sample sonar defeating rubber coating scanned by ISONIC 2006 and specially designed ultrasonic probe



Figure 2

Figure 3 represents sample C-Scan of sonar defeating rubber coating obtained by ISONIC 2006 and typical A-Scan in the well-bonded area

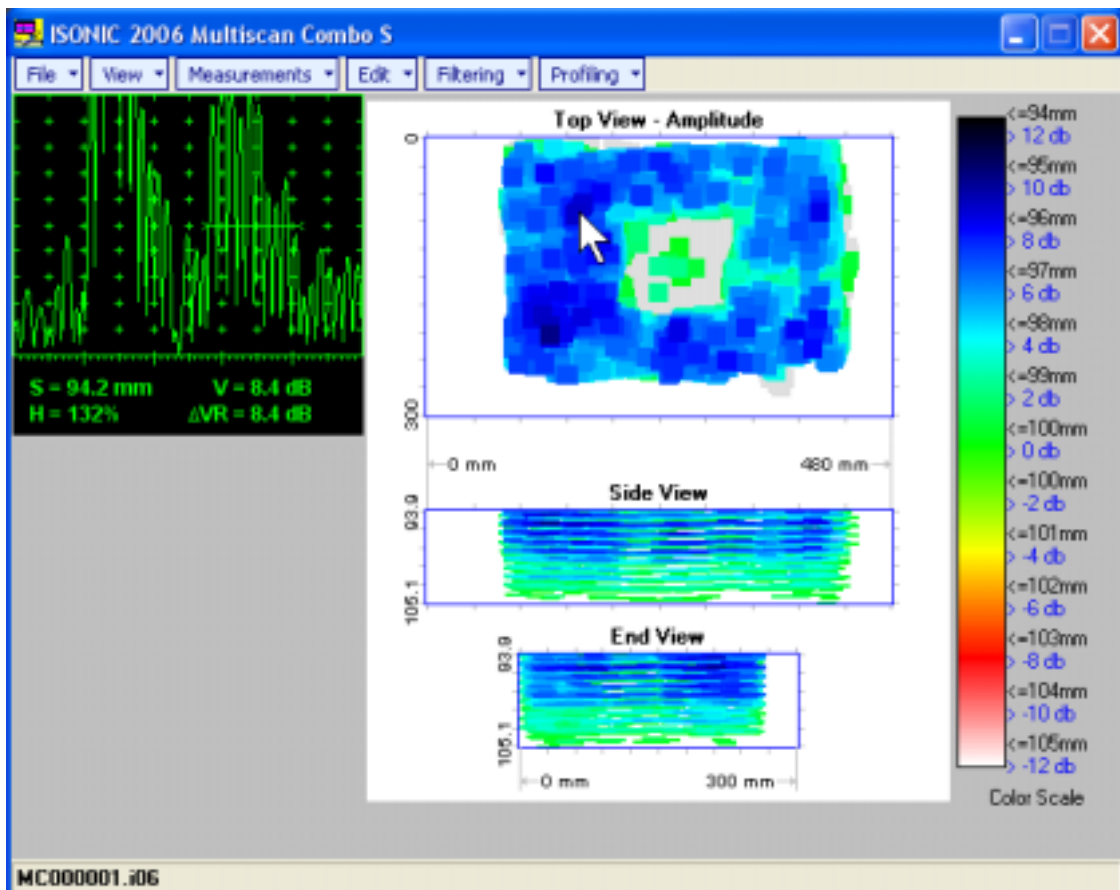


Figure 3

Figure 4 represents sample C-Scan of sonar defeating rubber coating obtained by ISONIC 2006 and typical A-Scan in the partially de-bonded area

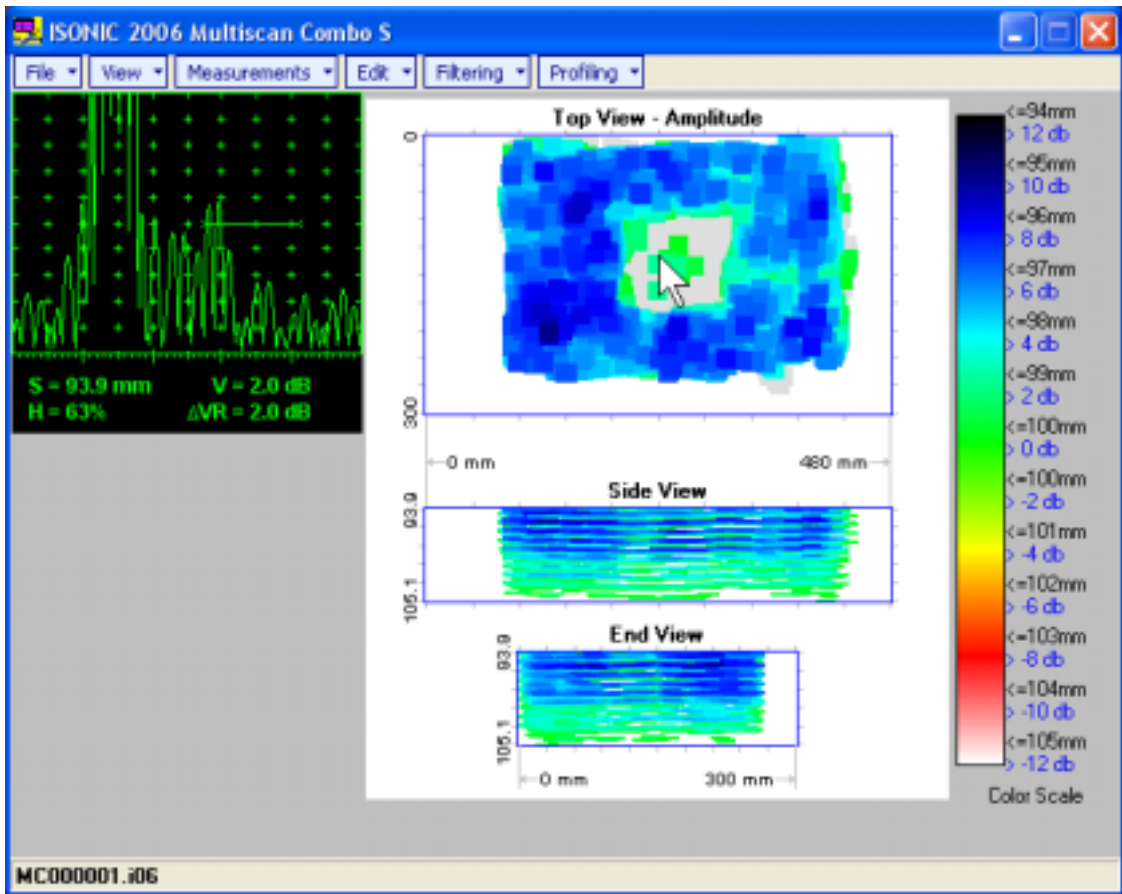


Figure 4

Figure 5 represents sample C-Scan of sonar defeating rubber coating obtained by ISONIC 2006 and typical A-Scan in the totally de-bonded area

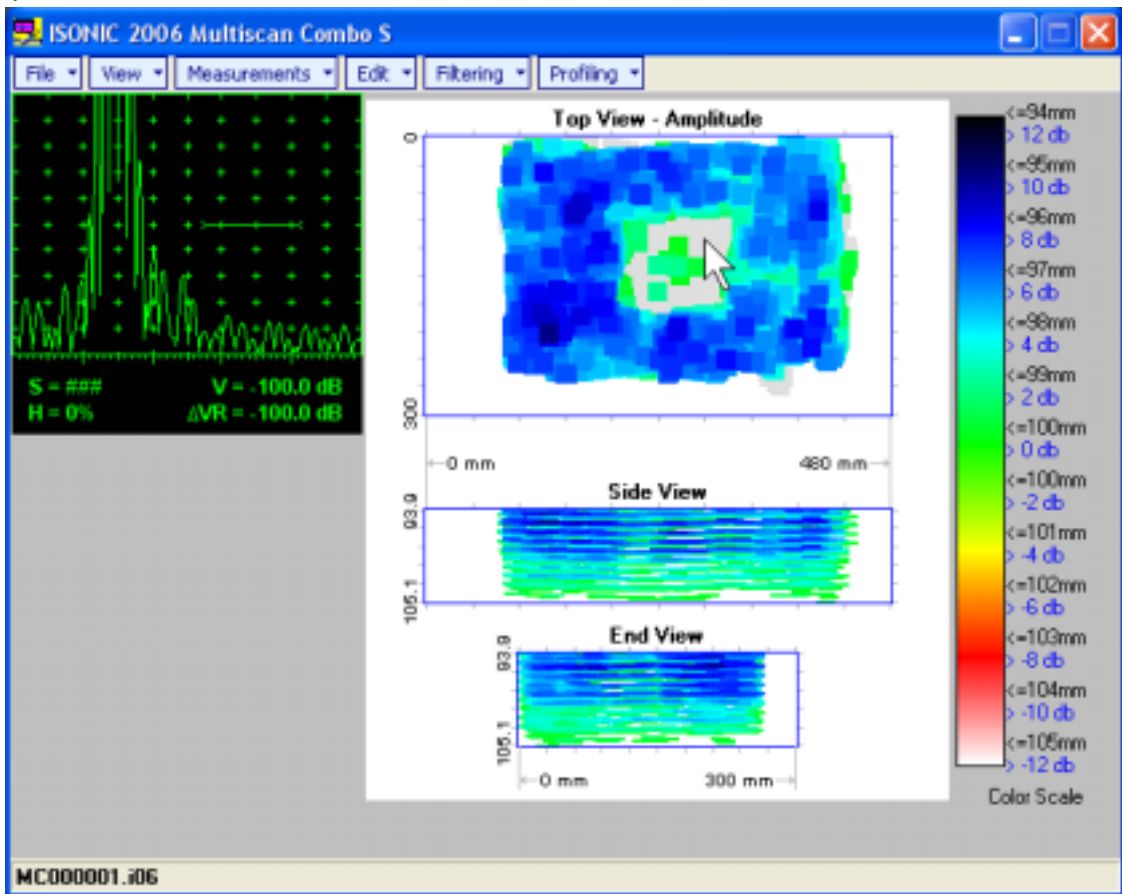


Figure 5