

CASE HISTORY

4.0" SCT Carbide Insert Mill on Turbine in Asphaltene



Schlumberger-Tunisia : "4" 3,205mtrs of asphaltene has been cleaned 8 hours running time"

The steel bodied mill was set with Carbide cylinders and the gage with simple TCI
The sharp material in the asphaltene proved to abrasive for the carbide and for the retaining steel. The 400 fph milling rate was acceptable.

In an attempt to solve the abrasion problem a custom Matrix mill was made with the same size cutters but PDC instead of carbide set in Tungsten Carbide Matrix instead of steel. The extended gage is Matrix set with Diamond Discs.

