

Fig 1. Expected Fineness² for a Given Petrographic Analysis at Pilot Mill Nominal Operating Conditions

Fig 2. Expected Capacity³ for a Given Fineness and Hardgrove Grindability Index (HGI)

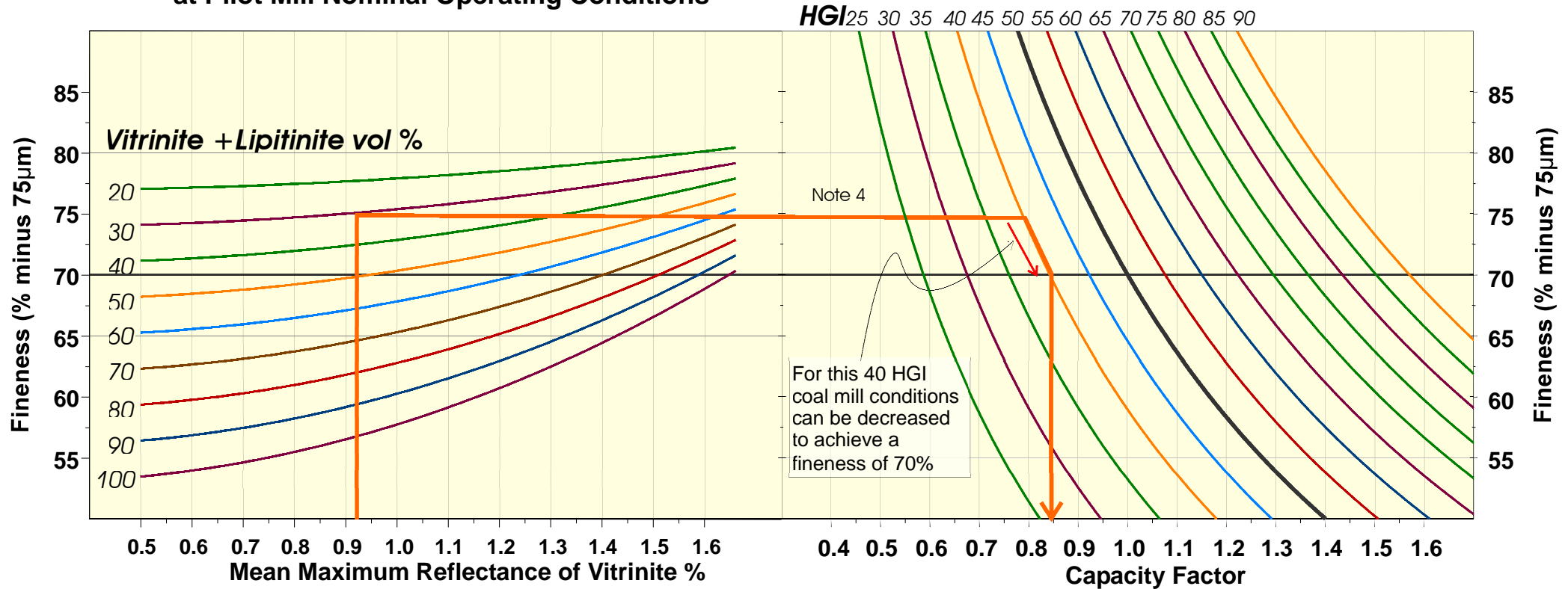
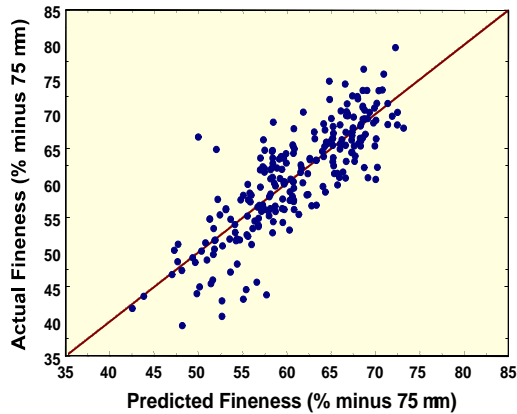


Fig 3 Fit to Maceral Group Model



Notes:

- 1 For detailed information on how these curves were generated see CoalTech's Report - ACARP Research Project C13062 "Predicting Pulveriser Performance" by P. Bennett, 2004.
- 2 While the predicted fineness results are for ACIRL's pilot scale mill they do indicate the ranking of coals in terms of PF fineness based on Petrographic Analysis, see Fig. 3.
- 3 The capacity factors given by Fig. 2 are similar to the values given by mill manufacturers' curves and are based on Fig. 4.
- 4 The fineness determined by Fig. 1 indicates whether the mill operating conditions (roll pressure, classifier setting, etc) will required to be increased or decreased from the mill's "nominal" settings to achieve a fineness of 70% passing 75 µm.

Fig 4 Specific Power

