

Ash Classification

Coal Type	All	=Coaltype (Lime, Magnesia, Iron)
Viscosity		
Viscosity - (Watt & Fereday)	All	=Viscosity (Silica, Alumina, Iron, Lime, Magnesia, Temp)
Temperature @ Viscosity	All	=Tempoise (Silica, Alumina, Iron, Lime, Viscosity)
Wear		
Mill Wear Rate	All	=Millwear (Quartz, Pyrite)
Abrasion Index	Bituminous	=AI (Ashdry, Sulfurdry, Silica, Heat)
Wear Index	All	=Wear (Ashdry, Silica, Alumina, Sulfurdry, Heat)
Lignitic Abrasion Index	Lignitic	=LigAI (Ashdry)
Slagging		
Halfinger Cleanability Index	All (Except PRB)	=Cleanabilty (Ash, HHV, BA, Ash Soft Temp)
Watt & Fereday Index for T_250	All	=Watt(poise)
T_250 Factor	All	=T250Fact (T250)
Viscosity Index (Rvs)	All	=Visrvs (Silica, Alumina, Iron, Lime)
Base to Acid Ratio	Bituminous	=BA (Base, Acid)
Battelle Bituminous Slag Index	Bituminous	=Batteast(Steamflow, Sulfurwet, Furnaceplan)
Attig & Duzy	Bituminous	=Attig (Sulfurwet, Base, Acid)
Silica Factor Index	Bituminous	=Silicafact (Silica, Iron, Lime, Magnesia)
Net Heat Input to Plan Area Index	Bituminous	=PRBNHIPA(NHI, PA)
Battelle Lignitic Slag Index	Lignitic	=Battellelig (Base, Acid, Steam, Perimeter, Furnace)
Ash Fusion Temp - Western (Rs)	Lignitic	=WestRS (Initial Deformation, Hemi Transformation)
Iron to Calcium Ratio	Lignitic	=FeCa (Iron, Calcium)
Iron	PRB	=PRBIron (Iron)
Initial Deformation	PRB	=PRBID (Initial Deformation)
Fluid Temperature	PRB	=PRBFT (Fluid Temperature)
Lime	PRB	=PRBCaSlag (Lime)
Iron to Calcium ratio	PRB	=PRBFeCa (Iron, Lime)
Net Heat Input to Plan Area Index	PRB	=PRBNHIPA (NHI, PA)
Fouling		
Chlorine Factor	All	=Chlor (Chlorine)
Sodium Eastern Factor	Bituminous	=Sod (Sodium)
Sodium / Potassium Factor	Bituminous	=SP(Sodium, Potassium)
Base / Acid – Sodium Adjusted	Bituminous	=BAS(Base, Acid, Sodium)
Alkali Factor	Bituminous	=AlkFact (Ashdry, Sodium, Potassium)
Battelle Bituminous Fouling Index	Bituminous	=BattFoulE (Sulfurdry, Lime, Steam Flow, Furnaces, EPRS)
Battelle Lignitic Fouling Index	Lignitic	=BattFoulW(Sodium, Ash, Steam Flow, EPRS)
Maximum Sodium Factor	Lignitic	=MaxSod (Sodium, Iron, Lime, Magnesia)
Maximum Ash Factor	Lignitic	=MaxAsh (Sodium, Ashwet)
Sodium	PRB	=PRBNa(Sodium)
Lime	PRB	=PRBCaFoul (Lime)