

Tanker loader has integral lump breaker



Rio Tinto Borax operates several Dino mobile bulk loaders for road powder tankers and some of these machines manufactured by Van Beek, Drunen, the Netherlands, have been in operation worldwide for as long as 15 years. The latest example, based on the DS300 series, has a capacity of 40m³/h and is equipped with magnet, sampler and lump breaker. It will be deployed by Rio Tinto Borax in Taiwan to load borax, a raw material for glass manufacture, from freight containers to road tankers. Global project manager Cees de Graauw explained that during sea transport there was a tendency for the material to become compressed into large, soft lumps at the bottom of the container, causing problems for the customer. The lump breaker is situated in the receiving hopper while the magnet and sampler are located in the outlet, ensuring that the borax is filtered and checked immediately prior to being loaded into the road tanker. An industrial vacuum cleaner is employed to maintain a partial vacuum of the system for dustfree loading. www.van-beek.nl

Van Beek Dino fitted with lump breaker and (right) the sampler can be manual or automatic

