



LOBEPRO

ROTARY PUMPS

Application Report

Explosive Chemical Producing Application

Equipment:

CM34 and CM50 rotary lobe pumps used in Inner Mongolia Chemical Plant Application.

Application:

The CM34 and CM50 pumps are used to transport ammonium explosive with high viscosity of 50,000cps, no flow-able, normal temperature 80-90°C. The medium looks like face wash and is transported from emulsification tank to an ammonium explosive truck. Working 5-8 hours per day, the truck has a capacity of 8-10 m³/h, using 50 mm pipe with lift 5 - 6 m.

Job description:

LobePro sold a CM34 rotary lobe pump to Shanxi Huifeng Special truck manufacture, who is the supplier of ammonium explosive trucks and the ammonium explosive producing system. In 2010 Shanxi Huifeng bought pumps from Vogelsang and Boerger for Inner Mongolia chemical plant in 2010. Both suppliers' pumps had the same problem - one month after installation the pumps had a broken lobe.



Due to these challenges with Vogelsang and Boerger, the special truck supplier had nearly lost confidence to rotary lobe pumps. LobePro met the president of Shanxi Huifeng who asked us to supply one LobePro pump for trial to replace existent Vogelang VVX136-70QD.

If the pump worked for 3 months without problem, the companies agreed to make LobePro as their only rotary lobe pump supplier. Our trial pump of CM34 worked for more than 6 months without a problem.

Both the end-user, Inner Mongolia and truck supplier, Shanxi Huifeng are very satisfied with our pumps and our service after the sale. They bought another two pumps already.

Problem Solution:

LobePro supplied Viton lobes for high temperature application of transporting ammonium explosive. Rubber will grow as temperature rises, so we used the Viton to keep some clearance between working parts and ... as a result we solved the customer producing problem, benefit them well and became their only rotary lobe pump supplier.

