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BAE

Nitrocellulose Characterisation

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- **Existing attempts at characterisation of nitrocellulose by GPC have given no correlation between GPC results and observed processability.**
- **Different test sites have given different rankings for the same batches of nitrocellulose.**

Nitrocellulose Source Change

- **Alternative Nitrocellulose sources have shown large differences in processability and resulting physical and ballistic properties.**

Use of Nitrocellulose in Rocket Propellants

- **Almost all rocket motors in UK service have an Nitrocellulose based component (gm to Kg scale.)**
- **Base components have a Nitrocellulose content of 35 to 90%**

BAE SYSTEMS

Nitrocellulose in Rocket Propellants

Viscotek 13/02/01

Conclusion

NO PREDICTIVE CAPABILITY

This is contrary to original expectations