



BUREAU  
VERITAS

# CRUDE OIL BLEND STUDIES

MARKETS &  
SERVICES

## BUREAU VERITAS IS A LEADER IN INNOVATION FOR CRUDE OIL BLEND MODELLING

Delivering Alberta petroleum to refiners requires the addition of light hydrocarbon (diluent) such as natural gas condensate and synthetic crude in order to meet the viscosity requirement for pipeline transport and refiners. As the North American petroleum industry grows, the demand for diluent from Canadian oil producers grows and is predicted to triple in the next decade, making cost management of diluent addition pivotal to well managed oil producers.

Benefits of blend modeling:

- Viscosity Prediction – Through application of blend models and laboratory blending procedures in accordance with one of the blend methods outlined in ASTM D7152, Maxxam's team of expert scientist have a legacy of experience in assisting crude marketers in optimizing blends resulting in significant cost savings for our customers both in diluent costs and reduced maintenance expenses.
- Diluent Quality – Maxxams' Petroleum Technology Center has a variety of service offerings that can provide detail to qualify diluents for market according to a variety of pipeline specifications and compositional detail for development diluent compatibility trends.
- Compatibility – Blends are necessary to ensure confidence in the market for a materials' stability as it travels through the pipeline. Unstable blends can precipitate and foul pipelines resulting in extensive maintenance costs and decreased product value. See our complete Crude Compatibility capability.
- Shrinkage Predictions – Blend models provide estimations of shrinkage value based on a comparison of measured and calculated densities of the blends to assist our customers in predicting costs associated with blend options for their diluents and crude products.
- Corrosion Prevention – Having the finished material blended to pipeline specifications allows our clients to ensure the blended material is processed through pipeline corrosion testing which elevates their materials value on the market.

### Related Documents

[Oil and Gas - Chain of Custody](#)

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