

TEST REPORT

- 1. **Name of substance** : CHRISTINA LAKE DILBIT BLEND (CDB)
- 2. **General data**
 - 2.1 Composition : 50-90% bitumen, 10-50% petroleum distillates
 - 2.2 Proper Shipping Name : Petroleum Crude Oil
 - 2.3 UN Number : UN 1267
 - 2.4 Molecular formula : Complex mixture of hydrocarbons
 - 2.5 Physical form : Liquid
 - 2.6 Colour : Brown/black
 - 2.7 Density : 931 kg/m³ at 15°C
 - 2.8 Last Sample Date : September 06, 2018*
 - 2.9 Laboratory : Exova
- 3. **Flash Point Determination**
 - 3.1 Method : ASTM 93-08, Pensky-Martins Closed Cup (Automatic)
 - 3.2 Result : <-5°C
- 4. **Initial Boiling Point Determination**
 - 4.1 Method : ASTM D7169-16 Modified Test Method for Boiling Point Distribution of Samples with Residues Such as Crude Oils and Atmospheric and Vacuum Residues by High Temperature Gas Chromatography
 - 4.2 Result : ≤35°C
- 5. **Class Determination**
 - 5.1 Method : *TDG Regulations Part 2, 2.18 Class 3 Flammable Liquids*
 - 5.2 Criteria : *(1)(a) Flash point ≤ 60°C in closed-cup test*
 - 5.3 Result : Class 3 substance
- 6. **Packing Group Determination**
 - 6.1 Method : *TDG Regulations Part 2, 2.19 Packing Groups*
 - 6.2 Criteria : *(1)(a) Initial boiling point ≤35°C and any flash point*
 - 6.3 Result : Packing Group I
- 7. **Conclusion** : UN1267, Petroleum Crude Oil, Class 3, PG I
- 7.1 Date : October 12, 2018

*The latest laboratory results available on request.