

# Athabasca Bitumen

Reference ID

Origin: Alberta, Canada

Syncrude Canada Ltd. coker feed bitumen produced by the hot water process.

ARC 87

## API Gravity

7.7 to 9.0

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## Sulphur (weight %)

4.41 to 5.44

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## Density (g/mL)

Temperature  
(°C)

Unknown

1.006 to 1.016

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## Dynamic Viscosity (mPa-s or cP)

Temperature  
(°C)

15

19,000 to

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25

5,320 to 300,000

60

3,630 to 4,350

100

60 to 303

## Hydrocarbon Groups (weight %)

Asphaltenes

4 to 5

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## Metals (ppm)

Nickel

69 to 85.2

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Vanadium

81 to 218

## Other Elements (weight %)

Hydrogen

10 to 11

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Nitrogen

0.44 to 0.92

Oxygen

0.76 to 1.38