LIFTINGS

Country COLOMBIA

Terminal Covenas terminal operated by Oleoducto Central SA

Location Offshore 56 miles south south west of Cartagena

Loading Restriction Terminal accepts vessels up to 145k in TLU 1 and 180k

DWT in TLU 3

Loading Rate Max 34,000 bbl/hour for TLU 1 and max 16,000 bbl/hour for

TLU 3

Cargo Size 500,000 bbl subject to +/- 5% tolerance

Note Draft is restricted to 17,07 m in TLU 1 and 23,20 m in TLU



CRUDE OIL CHARACTERISTICS

General Vasconia is a low sulfur, medium gravity, paraffinic crude

oil, with good flow characteristics and good yield of thermal

and catalytic feedstock and 15 LV% yield of remarkably

good quality Naphtha.

Naphtha The 11 LV% yield of 83 LV% of N+2A makes an excellent

feedstock for catalytic reforming.

Kerosene Excellent for Jet Fuel with very good cold properties.

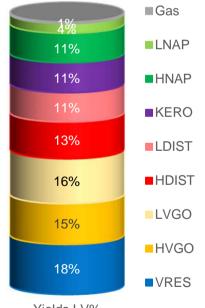
Gas Oil Good cold properties and good cetane index.

VGO High yield of 31 LV% excellent thermal and catalytic

feedstock.

Residue Makes 18 LV% of excellent Asphalt with high ductility and a

good range of viscosity grades.



Yields LV%

VASCONIA

| API Gravity | 24.27 |
|--------------------|--------|
| Density 15°C kg/l | 0.9079 |
| Sulfur WT% | 0.833 |
| Nitrogen ppm | 2100 |
| RVP kPa | 21.99 |
| Pour Point °C | 0 |
| TAN mgKOH/g | 0.21 |
| Viscosity 40°C cSt | 22 |
| Viscosity 50°C cSt | 15.5 |
| Vanadium ppm | 98.02 |
| Nickel ppm | 24.8 |

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