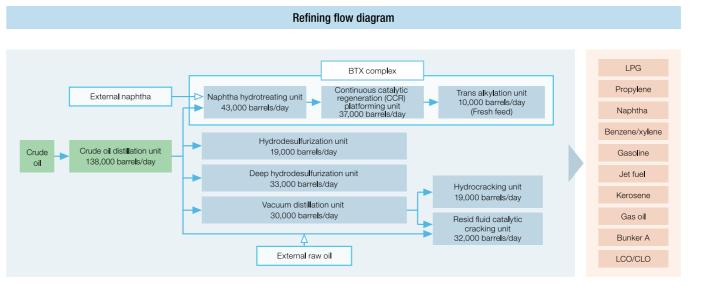
Shikoku Operations/Oil Refining Facilities







Crude oil distillation unit

naphtha, kerosene, gas oil and residual oil.



drocracking unit

vacuum distillation unit with hydrogen gas and reacting it with a catalyst in a high-tem- sure atmosphere. Crude oil is distilled and fractionated into LPG, perature and high-pressure atmosphere.



Resid fluid catalytic cracking unit

This unit produces propylene, LPG and which is the raw material by contacting with a catalyst in a high-temperature and low-pres-



treating and catalytically reforming naphtha which is the raw material and then distilling, extracting and transalkylating the resulting

Shikoku Operations Refining and production capacity

| Number of tank units and oil storage capacity | | | | | |
|---|-----------|-------------|--|--|--|
| Crude oil storage tanks | 9 units | 638,406kl | | | |
| Product and semi-processed product tanks | 69 units | 524,535kl | | | |
| (including tanks for petrochemical products) | (4 units) | (37,563kl) | | | |
| Slop tanks | 4 units | 18,691kl | | | |
| Home fuel tanks | 3 units | 2,150kl | | | |
| LPG tanks | 13 units | 11,862t | | | |
| Molten sulfur tanks | 2 units | 2,340,000kg | | | |
| | | 1,183,782kl | | | |
| Total | 99 units | 11,862t | | | |
| | | 2,340,000kg | | | |

| Refining capacity 138,000 barrels (21,942kl)/day | | | |
|--|--------|-------------------------------|--|
| No. 1 Crude oil distillation unit | 1 unit | 106,000 barrels (16,854kl)/da | |
| No. 2 Crude oil distillation unit | 1 unit | 32,000 barrels (5,088kl)/da | |
| Vacuum distillation unit | 1 unit | 30,000 barrels (4,770kl)/da | |
| Hydrocracking unit | 1 unit | 19,000 barrels (3,021kl)/da | |
| Hydrogen recovery unit | 1 unit | 1,036,800Nm³/da | |
| Hydrodesulfurization unit | 1 unit | 19,000 barrels (3,021kl)/da | |
| Deep hydrodesulfurization unit | 1 unit | 33,000 barrels (5,247kl)/da | |

| BTX complex | | | |
|---|--------|------------------------------|--|
| aphtha hydrotreating unit | 1 unit | 43,000 barrels (6,837kl)/day | |
| ontinuous catalytic regeneration (CCR) platforming unit | 1 unit | 37,000 barrels (5,883kl)/day | |
| (including 19,000 barrels/day for petrochemicals) | | | |
| romatics fractionation unit | 1 unit | 34,500 barrels (5,486kl)/day | |
| romatics extraction unit | 1 unit | 11,000 barrels (1,749kl)/day | |
| ydrogen recovery unit | 1 unit | 2,054,400Nm³/day | |
| rans alkylation unit | 1 unit | 10,000 barrels (1,590kl)/day | |
| | | (Fresh feed) | |
| o. 2 Aromatics fractionation unit | 1 unit | 19,000 barrels (3,021kl)/day | |
| | | | |

| RFCC complex | | |
|--|--------|-----------------------------|
| Reid fluid catalytic cracking unit | 1 unit | 32,000 barrels(5,088kl)/day |
| Propylene splitter unit | 1 unit | 7,100 barrels(1,129kl)/day |
| Alkylation unit | 1 unit | 7,200 barrels(1,145kl)/day |
| FCC gasoline hydrodesulfurization unit | 1 unit | 17,000 barrels(2,703kl)/day |