

Claims

1. Fuel oil "A" composition **characterised in that** the density at 15°C measured in accordance with JIS K 2249 is 0.8400 to 0.8900 g/cm³, the kinematic viscosity at 50°C is not less than 2.000 mm²/s and the cetane index obtained in accordance with JIS K 2204-1992 is not less than 35;
and **in that** the sulphur content is not more than 0.100 mass%, the sulphur content of sulphur compounds having a boiling point at or above the boiling point of dibenzothiophene is not more than 110 mass ppm, and the residual carbon content of 10% residual oil is not less than 0.20 mass%.
2. Fuel oil "A" composition in accordance with Claim 1 wherein the sulphur content of sulphur compounds having a boiling point below the boiling point of dibenzothiophene is 2 to 40 mass ppm.
3. Fuel oil "A" composition in accordance with Claim 1 or 2 wherein the total aromatic content is 25.0 to 55.0 vol%.
4. Fuel oil "A" composition in accordance with Claim 3 **characterized by** at least one of: the monocyclic aromatic component is not less than 16.0 vol%; the bicyclic aromatic component is preferably not less than 5.0 vol%; and the tricyclic aromatic component is preferably not less than 2.0 vol%.
5. Fuel oil "A" composition in accordance with any of Claims 1 to 4 wherein the sulphur content after the 95% cut is 0.15 to 0.40 mass%.
6. Fuel oil "A" composition in accordance with any of Claims 1 to 5 wherein it is **characterized by** at least one of: the initial boiling point is preferably not less than 140°C; the 10% distillation temperature is preferably not less than 210°C; the 50% distillation temperature is in a range of 260 to 300°C; and the 90% distillation temperature is in a range of 300 to 380°C.
7. Fuel oil "A" composition in accordance with any of Claims 1 to 6 wherein the saturated hydrocarbon component is in a range of 40.0 to 70.0 vol%.
8. Fuel oil "A" composition in accordance with any of Claims 1 to 7 wherein the olefin component is up to 0.5 vol%.
9. Fuel oil "A" composition in accordance with any of Claims 1 to 8 wherein the nitrogen content is in a range of 0.005 to 0.05 mass%.