CLAIMS

[Claim 1]

A weld metal comprising, in mass %:

C: 0.02 to 0.10%,

Si: 0.10 to 0.60%,

Mn: 0.90 to 2.5%,

Ni: 0.20 to 2.00%,

Cr: 0.05 to 1.0%,

Mo: 0.10 to 1.50%,

Ti: 0.040 to 0.15%,

B: 0.0010 to 0.0050%,

O: 0.030 to 0.100%, and

N: in an amount greater than 0% up to 0.015% respectively,

with the remainder consisting of iron and unavoidable impurities,

wherein an average circle equivalent diameter of carbides having a circle equivalent diameter of 0.40 μm or more among the carbides present in the grain boundary of the weld metal is 0.75 μm or less.

[Claim 2]

The weld metal according to claim 1, wherein at least one of Cu: in an amount greater than 0% up to 1.0% and V: in an amount greater than 0% up to 0.40% is contained further as another element.

[Claim 3]

The weld metal according to claim 1, wherein Al: in an amount greater than 0% up to 0.030% is contained further as another element.

[Claim 4]

The weld metal according to claim 2, wherein Al: in an amount greater than 0% up to 0.030% is contained further as another element.

[Claim 5]

A welded structure provided with the weld metal according to any one of claims 1 to 4.