

- The on-site sample of the scale mainly contains CaCO₃, sulfate scale, carbonate scale and Fe₂O₃ etc.
- The clear and sewage water, which cause the sediment, are used by the oil field. The sediment scales on the surface of the pipelines. The corrosion by the scaling is called block system autocatalysis which is the same as the development of the crevice corrosion.
- TH-7 is suitable for the water of Liaohe oil field and the result of using it is remarkable on site. When the concentration is 40mg/L, the anti-scaling rate is 93.62%, anti-corrosive rate is 92.86% and the corrosion rate is 0.052mm/a. The result shows that TH-7 meets the requirements of petrochemical industry. The concentration between 40-50 mg/L is the best recipe.

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