HT FA

HT Oil Displacement Surfactant System

Product Description

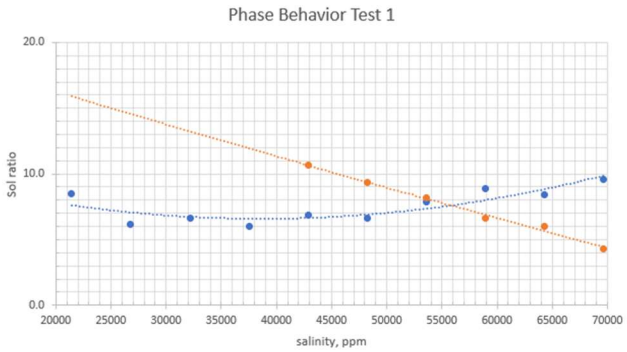
HT FA is a high temperature tolerance anionic surfactant system. HT FA is specially designed for chemical flooding in high temperature reservoir to improve oil recovery. The core flooding experiment results in the laboratory indicated the high-efficiency and good temperature and salt resistance of this oil displacement surfactant system.

Advantages

- Salinity tolerance: 30,000-80,000 mg/L
- Application temperature: up to 95 ℃
- Low applying dosage, as low as 0.2 %
- Ultra-low interfacial tension: ~X 10^{-3} mN/m
- Laboratory oil recovery improvement: 60-98%

Applications/Recommended Treatment

- Used for surfactant-based chemical enhanced oil recovery for HT reservoirs.
- Laboratory phase behavior experiments showed the formation of Windsor III type microemulsion.
- Core flooding experiments based on this oil displacement surfactant system showed an ultra-high recovery rate of more than 95%.



Typical Properties

- Appearance: Amber Liquid
- Specific Density, 0.975-1.005 g/cm^3
- Product activity, 30-35%
- Viscosity, < 1000 cp
- Flash Point, > 210 °F/100 °C
- Pour Point, < 32 °F/0 °C

Packaging and Storage

- 265 Gal（900 Kg）totes（IBCs）or 55 Gal（180 Kg）drums
- Keep in the original container if it is not used all. Store the product in the containers with closed lids in a dry, cool and well-ventilated place.