

REFERENCES

- Anderson, S. I. and Birdi, K. S., "Aggregation of Asphaltenes as Determined by Calorimetry", J. Colloid Interface Sci., 142(2), 497 (1991)
- ASTM D2007-80 "Standard Test Method for characteristic Groups in Rubber Extender and Processing Oils by the Clay-Gel Adsorption Chromatographic Method", 1983. ASTM Annual Book of ASTM Standards, 05.01, ASTM, 1916 Race St., Philadelphia, PA 19130
- Chang, C. L. and Fogler, H. S., "Asphaltene Stabilization in Alkyl Solvents Using Oil-Soluble Amphiphiles", SPE Paper NO. 25185, 339 (1994)
- Chang, C. L. and Fogler, H. S., "Stabilization of Asphaltenes in Aliphatic Solvents Using Alkylbenzene-Derived Amphiphiles. 1. Effect of the Chemical Structure of Amphiphiles on Asphaltene Stabilization", Langmuir, 10(6), 1749 (1994)
- Chang, C. L. and Fogler, H. S., "Stabilization of Asphaltenes in Aliphatic Solvents Using Alkylbenzene-Derived Amphiphiles. 2. Study of the Asphaltene-Amphiphile Interactions and Structures Using Fourier Transform Infrared Spectroscopy and Small-Angle x-ray Scattering Techniques", Langmuir, 10(6), 1758 (1994)
- Fogler, H. S., "Element of Chemical Reaction Engineering", 2nd., Prentice Hall, New Jersey (1992)
- Gonzalez, G. and Middea, A., "Peptization of Asphaltene by Various Oil Soluble Amphiphiles", Colloids and Surfaces, 52, 207 (1991)

- Hirschberg, A. et al., "Influence of Temperature and Pressure on Asphaltene Flocculation", SPE, 289 (1984)
- Hsu, J. P. and Liu, B. T., "Dissolution of Solid Particles in Liquids : A Reaction-Diffusion Model", Colloids and Surfaces, 69, 229 (1993)
- Hsu, J. P. and Lin, M. J., "Dissolution of Solid Particles in Liquids", Colloids Interface Sci, 14(1), 60 (1991)
- Kokal, S. et al., Electrokinetic and Adsorption Properties of Asphaltenes", Colloids and Surfaces, 94, 253 (1995)
- Leontaritis, K. J., "Asphaltene Deposition : A Comprehensive Description of Problem Manifestations and Modeling Approaches", SPE Paper NO. 18892, 599 (1989)
- Leontaritis, K. J., "A Systematic Approach for the Prevention and Treatment of Formation Damage Caused by Asphaltene Deposition", SPE Paper NO. 23810, 383 (1992)
- Mansoori, G. A. et al., "The Role of Asphaltene in Wettability Reversal", SPE Paper NO. 20700, 799 (1990)
- Mansoori, G. A., "Modeling and Prevention of Asphaltene and Other Heavy Organic Deposition in Oil Wells", SPE Paper NO. 27070, 1 (1994)
- Mitchell, D. L. and Speight, J. G., "The Solubility of Asphaltene in Hydrocarbon Solvents", Fuel, 52, 149 (1973)
- Pfeiffer, J. H. and et al., "Asphaltic Bitumen as Colloid System", J. Phys. Chem., 44(2), 139 (1940)
- Rassamdana. et al., "Asphalt Flocculation and Deposition : I. The Onset of Precipitation", AIChE J., 42(1), 10 (1996)

Victorov, A. I. and Firoozabadi, A., "A Thermodynamic Micellization Model of Asphaltene Precipitation from Petroleum Fluids", Revision submitted to AIChE Journal (1996)

Yen, T. F. et al., "Peptization Studies of Asphaltene and Solubility Parameter Spectra", Fuel, 73(3), 423 (1994)

Zerlia, T. et al., "UV Spectrometry as a Tool for Rapid Screening of Petroleum Products", Fuel, 69, 1381 (1990)

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