

FORSA PAO72A asphaltene dispersant

Removes asphaltenes from wells and flowlines and keeps them dispersed

Applications

- Conventional oil and gas
- Shale oil
- Deepwater

Features and Benefits

- Removes asphaltene deposits
 - Stimulates production safety
- Inhibits asphaltene deposition
 - Keeps producing systems clean and flowing
- Excellent cool weather handling properties
 - Requires minimal storage and pumping
 - Product remain fluid in winter months

The Baker Hughes FORSA™ PAO72A asphaltene dispersant is a liquid, organic-based chemical. Its formulation was specially designed to treat troublesome asphaltenic deposits. It is a mixture of aromatic solvents combined with a special surface-active agent.

The surface-active chemicals in this product increase the surface tension of the crude oil above the level at which asphaltene precipitation occurs. The aromatic hydrocarbon components adsorb to the asphaltene and maintain the dispersion of the finely divided asphaltene particles. The asphaltene particles are peptized by the adsorption process forming a highly stable colloidal solution.

FORSA PAO72A asphaltene dispersant can be batch treated or added continuously. Batch treating with a soak period is the preferred method. A typical batch treatment for asphaltene removal consists of 10 to 20 gallons of the product down the annulus or flowline at one to four-week intervals. Once the chemical is in contact with the asphaltene fouled area, allow a static soak time of two to eight hours for maximum effectiveness.

FORSA PAO72A asphaltene dispersant may be mixed with hydrocarbons or well fluids. It can also be added neat and flushed down with a slug of fluid or by circulating the well. Experience will dictate the optimum quantity of chemical and frequency of treatment. For maximum effectiveness, schedule treatments on a regular basis.

Materials compatibility

Suitable

Metals: Stainless steel 304, stainless steel 316, chrome steel

Plastics: Polyethylene HD, polypropylene HD, Delrin, Teflon, PEEK, nylon 11

Elastomers: Viton, Chemraz

Not Suitable

Metals: Mild steel

Elastomers: EPDM, HNBR, Buna N

Safety and handling

Before handling, storage, or use, review the Safety Data Sheet (SDS) for guidance.

Typical properties

pH	1.8
Flash point	114.8°F (46°C)
Pour point	<60.8°F (<16°C)
Specific gravity at 60°F (15.6°C)	0.915