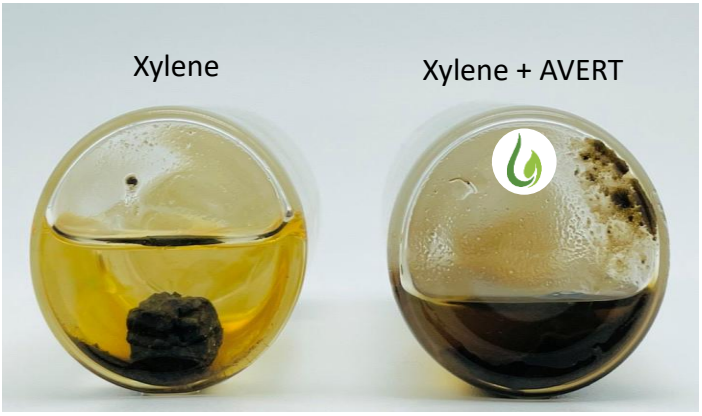
LOCUS Bio-Energy

AVERT™

Solvent-Compatible Paraffin and Asphaltene Deposition Control

High performance blends using unique biosurfactant technology designed as a single-phase application



Unique Multifunctional Attributes

- ✓ Disperses paraffin from rods and tubing and, unlike other treatments, keeps it in suspension for unrestricted flow throughout the production cycle
- ✓ Improves the condition of wellbores and flow lines
- ✓ Non-emulsifying properties when applied at remedial concentrations in a solvent package for organic deposition removal
- ✓ Maintains dispersion and suspension of asphaltene in crude oil, reducing future flow assurance reservoir issues

Biosurfactant Advantages:

- Nanosized (3 nm) organic biosurfactant micelles
- Complex molecular structure with robust performance
- Rapid and efficient interfacial activity
- Multiple active sites
- Biosurfactant Trifecta: penetrate, disperse, suspend

User Benefits:

- Facilitates surface penetration of deposited solids
- Effective on heterogeneous solids: paraffin, asphaltene, iron sulfide, other organic and inorganic deposits
- Moves to solid interfaces quickly, reducing the time for dispersion, dissolution, or suspension
- More effective at lower dosage rates than solvent alone

AVERT Applications

- ✓ **Paraffin dissolution, dispersion & inhibition**
- ✓ **Asphaltene dissolution, dispersion & inhibition**

Portfolio Breakdown			
AVERT 112	BTEX free, solvent-compatible paraffin dissolver	**TXS-L-151**	Water-soluble paraffin dissolver
AVERT 114	BTEX free, water-soluble paraffin dissolver	**TXS-L-155**	High activity blend of paraffin dissolvers, dispersants & surfactants.
AVERT 116	Solvent-compatible paraffin dissolver	**TXS-L-162C**	Non-toxic asphaltene dissolver
AVERT 118	High activity, solvent-compatible paraffin dissolver	**TXS-L-163C**	Non-toxic asphaltene dissolver
TXS-L-147	Oil-soluble, dual action paraffin & asphaltene inhibitor	**TXS-L-164C**	Non-toxic asphaltene dissolver