



JET PAR 3168

CRYSTAL MODIFIER/COLD FLOW IMPROVER

GENERAL DESCRIPTION

JET PAR 3168 is a high molecular weight copolymer that inhibits paraffin deposition, reduces pour point and lowers viscosity.

APPLICATION

JET PAR 3168 increases pumpability and reduces flow resistance for crude or condensate in pipeline operations where low temperature causes congealing, increased flow resistance and plugging of flowlines and pipelines. In some crudes, effective pour point reductions of 20-60°F. have been observed.

Add JET PAR 3168 continuously at any point in the system before the cloud point at which crystallization takes place. Maximum efficiency is obtained when it is added to warm or hot crude oil. Wax crystals grow as temperature decreases. The addition of cold flow improver to cold crude oils at or below the cloud point may result in reduced treating efficiency.

Concentrations of 100-2000 ppm may be needed for significant reduction in congealing temperature. Lower concentrations are usually adequate for preventing paraffin deposition or treatment of tank bottoms.

Recommended treatment is by continuous addition or squeeze. It may be added to a sidestream for treating pumping wells, and by

chemical or capillary tubing for treating flowing wells. Add to injection gas to protect gas lift wells. If used as a batch treatment for a tank of crude or fuel oil, add at the recommended dosage and heat the tank to 20-40⁰ F(10 to 20⁰ C) Add to hot oil treatments to prevent re-deposition of dissolved wax and paraffin.

For a squeeze dilute in lease condensate, diesel or xylene to 10-20% and displace back 10 meters(30 feet) into the formation. Preflushing with wax solvent will assist in opening perforations.

TYPICAL PHYSICAL PROPERTIES

Specific Gravity	0.90
Density, lb/gallon	6.17
Flash point PMCC	88 °F
Pour point	>32 °F
Solubility, water	Insoluble
Solubility, oil	Soluble
Solubility, xylene	Soluble
Appearance	Light Brown
Physical form	Liquid

HANDLING

Normal precautions for industrial chemical apply. Observe warning label- contains aromatic hydrocarbons. See MSDS for specific instructions.

AVAILABILITY

JET PAR 3168 is available in 55 gallon drums and bulk.