

# SITI B&T PERFORMANCE 46



**SITI B&T PERFORMANCE 46** is a hydraulic fluid formulated with high quality mineral base oil "group II" and selected ashless additives, developed specially for use in ceramic industry presses.

**SITI B&T PERFORMANCE 46** has outstanding antioxidant properties that permit performances and oil-change interval longer than standard mineral and partially synthetic oils.

## CHARACTERISTICS (TYPICAL FIGURES)

### SITI B&T PERFORMANCE 46

Viscosity at 40°C	mm <sup>2</sup> /s	45
Viscosity at 100°C	mm <sup>2</sup> /s	7.5
Viscosity Index	-	132
Flash Point P.M.	°C	209
Pour Point	°C	-45
Density at 15°C	g/cm <sup>2</sup>	0.8626

## PROPERTIES AND PERFORMANCE

- **SITI B&T PERFORMANCE 46** has been developed for energy transmission in plants where the use of hydraulic oil is requested as functional fluid. It also provides adequate lubrication of all moving components present in the hydraulic circuit.
- The excellent oxidation resistance is demonstrated by the standard test (DIN 53587) and test ASTM D 2272 (RVPOT) where **SITI B&T PERFORMANCE 46** has doubled the values obtained from the evaluations of the main reference products on the market.
- The high Viscosity Index minimizes changes in viscosity throughout the normal range of operating temperatures, thus ensuring constant flow, low friction loss and good hydraulic efficiency, while protecting against the possibility of cavitation.
- The low pour point permits use for a wide range of applications including those where low working temperatures are encountered.
- **SITI B&T PERFORMANCE 46** has good anti-wear properties as demonstrated by FZG test where it passes the 11th stage level. This property ensures efficiency and long life of vane pump, wobble plate pump and all moving parts of hydraulic circuits.
- Its outstanding anticorrosion and antirust properties protect the internal surfaces of hydraulic system avoiding the formation of metallic oxides particles and acid products that could promote the oil degradation.
- Its antifoam properties and its ready release of entrained air assure the good performances of pumps and controls minimizing the "dieseling effect" due to the compression of air bubble entrapped.
- The excellent filterability performance is demonstrated by the results obtained in ISO test (with and without water) and in test Denison TP 02100 DRY.
- **SITI B&T PERFORMANCE 46** do not allow to carbon particles, eventually originated by dieseling effect, cause malfunctions, wear and rapid clogging of the filters.
- **SITI B&T PERFORMANCE 46** possess excellent demulsibility (ASTM D 1401, 15'-40/37/3) permitting water and other contaminants to separate readily from the oil in the system reservoir.
- **SITI B&T PERFORMANCE 46** is compatible with the common rubbers used in hydraulic circuits.

# SITI B&T PERFORMANCE 46



## APPLICATIONS

Thanks to special and original formulation, **SITI B&T PERFORMANCE 46** is specially recommended for use in ceramic industry presses.

**SITI B&T PERFORMANCE 46** is also suitable for other applications where very rapid operating cycles can form deposits causing wear and/or clogging of filter.

## SPECIFICATIONS

**SITI B&T PERFORMANCE 46** meets the requirements of the following specification and classifications:

- ISO-L-HM
- DIN 51524 Teil 2 HLP
- SACMI 200.02.A01-12