

# GENERAX 125 BFF

## SEMI-SYNTHETIC METALWORKING FLUID

### PRODUCT DESCRIPTION

It is a high performance, semi-synthetic metalworking fluid that forms a stable and translucent emulsion with water. GENERAX 125 BFF is formulated with a balanced additive content, consisting of high-quality mineral base oils, strong emulsifiers and chemicals to protect against corrosion, foam and microorganisms.

GENERAX 125 BFF does not contain any compounds that release nitrite, phenol, chlorine, boron and formaldehyde.

GENERAX 125 BFF does not contain any easily nitrosable amines according to TRGS611.

GENERAX 125 BFF mixed with water creates a stable, transparent emulsion.

### APPLICATION / USAGE

GENERAX 125 BFF was developed for use in machining and grinding operations with steel and cast materials where particularly effective washing and low foaming properties are required.

Recommended concentrations:

Normal machining	: % 5-8
Turning	: % 5-7
Grinding	: % 3-5

To achieve optimal corrosion protection, we recommend a minimum concentration of  $\geq 3.5\%$ .

The % concentration value should be checked regularly during use and when necessary be adjusted.

### ADVANTAGES / BENEFITS

- Universally applicable cooling lubricant for machining and grinding processes for steel and cast materials
- High lubricating and cooling effect and good wetting behavior
- High resistance to bacterial attack
- Low tendency to foam even with soft water
- Optimal wetting behavior and high rinsing performance
- Good corrosion protection
- Excellent pH stability
- No skin irritation due to adjusted pH value

### STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature should be between +5 and +40°C.

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

02.2023.07.11



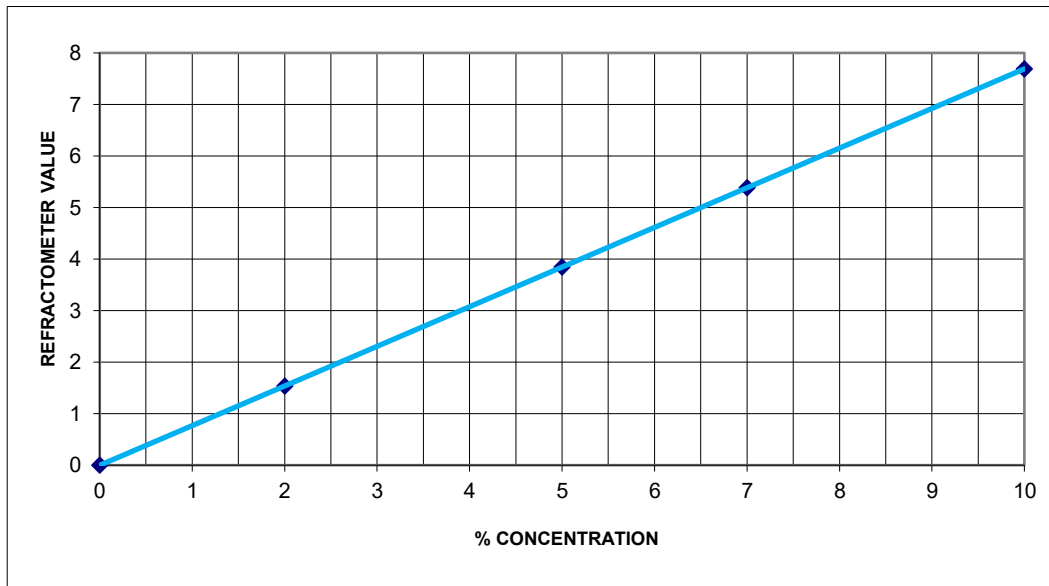
# GENERAX 125 BFF

## SEMI-SYNTHETIC METALWORKING FLUID

TECHNICAL PROPERTIES	TEST VALUES	TEST METHOD
Appearance	Brown, Clear	-
Emulsion Appearance (%5)	Translucent	-
Density (20 °C, g/mL)	0,995	ASTM D 1298
pH (%5)	9,5	ASTM D 1287
Corrosion Test (10 °dH , %5, 24h)	0-0	DIN 51360/2
Refractometer Factor	1,3	Hand Refractometer

### Concentration Control:

% Concentration	Refractometer Value
2	1,5
5	3,8
7	5,4
10	7,7



The data provided for the % concentration control is prepared according to the data obtained for the freshly prepared emulsion. As the utilization time of the emulsion and the undesired oil/contamination amount in the system increases, deviations from the data stated above should be taken into account.

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

02.2023.07.11

