



METACARE NEC-50

Emulsion conditioner

Description

Metacare NEC-50 is an in-use emulsion conditioner which improves and maintains the stability and cleaning / wetting characteristics of Metalube water mix tube and wire drawing lubricants throughout their in-sump life.

Use of **Metacare NEC-50** is particularly beneficial in areas where hard water is prevalent. Continued use of hard water for emulsion make-up results in hard water salts creating insoluble soaps that deposit on machine surfaces. Regular additions of **Metacare NEC-50** will reduce soap formation, improve the cleanliness of machine surfaces, capstans/drawing cones and dies, which will in turn improve productivity by reducing wire breaks due to blocked dies, reduced lubrication etc. In most cases in-sump life will be extended due to improved emulsion stability.

Regular additions of **Metacare NEC-50** will help maintain machine cleanliness and keep surfaces, dies and capstans/drawing cones free of copper dust when used as part of a routine maintenance procedure.

Metacare NEC-50 can also be used higher concentration(s) to combat excessive insoluble soap generation in areas of extremely hard water.

Metacare NEC-50 can also be sprayed or brushed onto areas of the machines e.g. capstans/drawing cones or dies in its concentrated form to aid removal of stubborn deposits.

Features and benefits

- Maintains emulsion stability
- Reduced hard water deposit formation - Keeps machines clean
- Increased die and capstan lubrication - Improved productivity
- Maintains emulsion stability - Extended in-sump life

Directions for use

Metacare NEC-50 is supplied as a concentrate for pre-dilution prior to adding to the machines fluid recirculating system.

Global specialists in high-performance lubricants



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The required volume of **Metacare NEC-50** should be added to 10ltr of fresh emulsion whilst stirring continuously. When full mixed the **Metacare NEC-50**/emulsion mix should be added to the machines fluid system in an area of high agitation. Subsequent additions should be made on a 2 weekly/monthly basis depending on emulsion condition.

Note: Metacare NEC-50 is a detergent based additive, if overdosed or the product is added to the system too quickly foaming and a reduction in lubricating properties may be evident. The product has no pH buffering capacity, additional alkaline additive treatment may be required for emulsion systems with low working pH values.

Treatment rate

When used for frequent additions:	0.05-0.1%
When used as emulsion conditioner, increments up to a maximum:	0.3%
When used for die & capstan cleaning:	As supplied

Technical data (typical values)

Property	Test method	Result
Appearance	MSTM 1	Clear pale yellow liquid
pH (1% in tap water)	MSTM 18	6.5 – 7.5
Density at 20°C	MSTM 23	1.023 – 1.045 g.cm ⁻³

Pack sizes

Metacare NEC-50 is available in 20ltr and 205ltr containers.

Storage

Store **Metacare NEC-50** out of direct sunlight and protect from frost.

Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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