NUTURA BIO RL series

LUBRICANTS FOR COLD EXTRUSION BASED ON BIODEGRADABLE ESTERS

RANGEOF APPLICATION

NUTURA BIO RL series is composed by multifunction molding fluids, mainly developed as cooling fluids of dies and punches and at the same time as lubricants suitable for guides, slides and gears of progressive cold formers.
The products of the **NUTURA BIO RL series** are suitable for moulding, extrusion and trimming of screws and bolts. hollow and semi-hollow rivets with medium and high carbon steels, high alloy steels and light alloys.

NUTURA BIO RL 68 is suitable for the production of tubular and semi-tubular rivets in aluminum and its alloys. This product is particularly appropriate as multi-purpose lubricants on one die two-blow header and two dies four blow header progressive header SALVI, HINGELAND and similar.

NUTURA BIO RL 100 is suitable for those progressive cold former or bolt makers where the application of a more viscous lubricant in the lubrication is necessary to limit the excessive fall from heading slides.

NUTURA BIO RL 150 is a compound suitable for cold forming of metal parts on SACMA or NATIONAL progressive cold formers

NUTURA BIO RL 220, the most viscous product of the *series*, is suitable for lubricating old worn presses, in the presence of excessive loss of the lubricant from the heading slides.

FEATURES AND BENEFITS

NUTURA BIO RL series has been formulated using vegetable bases, in line with the company policy to respect the environment. Furthermore, this *serie* is completely free of chlorine, in order to protect the safety of operators.

The use of **NUTURA BIO RL series** increases the life of the dies and punches, eliminates seizures, reduces machine downtime and allows easy degreasing. **NUTURA BIO RL series** does not cause corrosion phenomena typical of molding oils. This feature also makes it suitable for the lubrication of slide guides and gears, eliminating the problem of a drop in tool performance due to the lubricating oils of the guides falling into the molding oils.

The values of the chemical-physical characteristics reported above should be considered as typical and do not constitute specifications. The same goes for the indications relating to uses, which have mainly indicative purposes

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