

A fluid specially designed to meet the requirements of lubricating slides in industry, above all in shops using aqueous machining fluids.

PERFORMANCES

Specifications:

Cincinnati Machine P47
General Motors LS2

ADVANTAGES

CRYSTAL COMPOUND AG is characterised by the following remarkable properties:

Neutrality to system materials

This fluid's chemical stability promotes perfect neutrality to metals and elastomers in the systems. Thus sealing and efficiency are maintained.

A stabilised anti-wear and extreme pressure formulation, resistant to hydrolysis and thermal stresses

The ashless additives enhancing the anti-wear and extreme pressure properties are stabilised, to withstand high temperatures and water, which improves the service life of the system's components and of the fluid, which is not self-contaminating.

Phosphorus-free formulation preventing any contamination of aqueous machining fluids by this element.

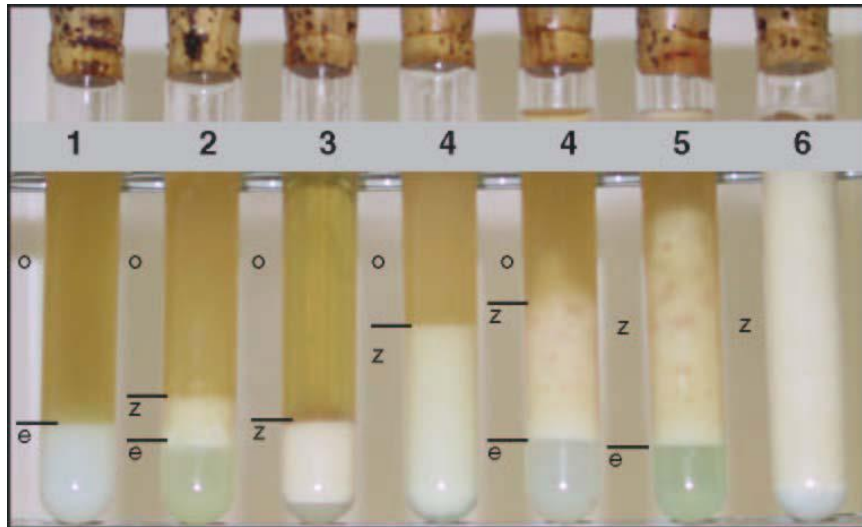
Compatibility with BIJUR filtering systems, ensuring easier and optimum fluid maintenance.

Progressive sliding

The very good friction properties of **CRYSTAL COMPOUND AG** reduce chattering (stick-slip) effects in the presence of aqueous liquids.

These characteristics are retained thanks to very good **demulsibility and water separation properties**, thus extending the service life of the slide coatings.

CRYSTAL COMPOUND AG has been tested with 12 different formulations of aqueous metalworking fluids available on the market, and yielded a 1-2 rating in the test below, demonstrating the excellent separation between the slide oil and emulsions.



USES

CRYSTAL COMPOUND AG, characterised by a low friction coefficient, and featuring excellent demulsifying properties with aqueous machining fluids, is tailored to metal slides, and more particularly synthetic slides.

Lubricating machine-tool slides (lathes, grinders, cams, claw mechanisms, press columns, injecting and moulding mechanisms).

Lubricating reduction gears under low loads.

CRYSTAL COMPOUND AG is recommended specifically for lubricating metal and synthetic-coated slides. Grade ISO VG 220 is recommended specifically for lubricating vertical slides.

CRYSTAL COMPOUND AG is particularly tailored to machines equipped with disc, belt or coalescing oil separators.

The following results (given purely for information) were obtained on a grade 68 formulation:

Characteristics	Methods	Units	68
Density at 15°C	NF T 60-101	kg/m ³	878
Copper corrosion, 100°C 3 h	ASTM D130	-	1B
Water separation, 30'	ASTM D1401	ml	40/40/0
Timken OK Load	ASTM D2782	Lbs	40

The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.

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