

## Additin® RC 9308

## Additive Package

### Type

Ashless multifunctional oxidation and rust inhibiting additive package

- for R&O oils, hydraulic fluids HL, gear oils CL according to:  
DIN 51524, part 1 (HL); DIN 51517, part 2 (CL); AFNOR NF E 48-603 (HL);  
Cincinnati-Machine P-38 (HL-32), P-55 (HL-46), P-54 (HL-68), P-57 (HL-150),  
P-62 (FC-10)
- for turbine oils according to:  
DIN 51515, part 1 (L-TD); Siemens TLV 9013 04/01; British Standard BS 489;  
General Electric GEK 32568 A/C; MIL-L-17672 D; CEGB Standard 207001;  
Brown Boveri HTGD 90117; U.S. Steel 120; Westinghouse Electric Corp.  
Turbine Oil Spec.
- for environmentally friendly hydraulic fluids based on rapeseed oil (HETG) or  
synthetic esters (HEES) according to VDMA 24568.

### Technical Data

Composition	combination of antioxidants, corrosion inhibitors and non-ferrous metal deactivators
Appearance	light brown, clear, low viscosity liquid
Nitrogen	approx. 2.7 % weight
Phosphorus	approx. 0.5 % weight
Sulphur	approx. 1.9 % weight
Viscosity, 40°C (ASTM-D 445)	approx. 35 mm²/s
Density, 20°C (ASTM-D 1298)	approx. 980 kg/m³
Flash point, COC (ASTM-D 92)	approx. 140°C
Mineral oil content	approx. 5 % weight

### Application

- R&O oils
- hydraulic fluids HL
- turbine oils
- gear oils CL
- compressor oils
- greases
- rapeseed oil and synthetic esters

Additin RC 9308 is an ashless additive package with outstanding oxidation and corrosion inhibiting properties. Additin RC 9308 is particularly recommended for use in the formulation of lubricants for which high performance demands have to be met:

- high oxidation stability
- good thermal stability
- excellent hydrolytic stability
- no sludge formation
- good protection against corrosion of steel and non-ferrous metals
- excellent demulsifying behaviour
- low foaming tendency

These properties can be obtained at low treatment levels in a broad range of different base oils. According to requirements the recommended treatment level is in the range of 0.3 to 0.5 % by weight. For some base oils, the addition of a defoamer may be necessary in order to meet the stringent foam limits of some industrial oil specifications. Additionally Additin RC 9308 is also ideally suited for formulating environmentally friendly lubricants, i.e. hydraulic fluids based on rapeseed oil (HETG) or synthetic esters (HEES) according to the German VDMA-Einheitsblatt 24568. Depending on the base fluid the recommended treatment level is in the range of 1.0 to 2.0 % by weight Additin RC 9308.

<b>Solubility</b>	Soluble in mineral oils and synthetic base oils. However, it is necessary to verify the solubility in the base oils used and the compatibility with other additives.
<b>Test Results</b>	Test results see Technical Reports
<b>Packing Unit</b>	200 kg bung hole drums
<b>Storage Conditions</b>	in a dry place at room temperature approx. 12 months. This product is liable to crystallization at low temperatures. If this occurs, gentle warming up to 40 - 50°C with agitation will ensure homogeneity of the product without adverse effects. Local overheating - above 60°C - must be avoided.
<b>Handling</b>	Consult material safety data sheet (MSDS) for additional handling information on Additin RC 9308.

® = registered trade mark \* The analytical data are guide values. Additin RC 9308 is on EINECS and TSCA inventory.

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products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely rely on your own responsibility. Should, in spite of this,

liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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