Technical Data Sheet

Additin® RC 9300

Additive Package

Type	Ashless multifunctional oxidation, rust and wear inhibiting additive package - for antiwear hydraulic fluids according to: Denison HF-0, HF-1, HF-2; Cincinnati Machine P-68, P-69, P-70; DIN 51524, part 2 and 3 (HLP, HVLP); ISO 6743/4 (HM, HV); ISO 11158 (HM, HV); AFNOR NF E 48-603 (HM, HV); SS 155434; SEB 181 222; U.S. Steel 126, 127 and 136 - for compressor oil according to: DIN 51506 (VBL, VCL, VDL); ISO / DP 6521 (DAA, DAB, DAH, DAG)	
Technical data*	Composition	combination of phosphorus-sulphur compounds with oxidation and corrosion inhibitors
	Appearance	light coloured, clear liquid
	Nitrogen	approx. 2.6 % weight
	Phosphorus	approx. 0.8 % weight
	Sulphur	approx. 1.7 % weight
	Viscosity, 40 °C (ASTM-D 445)	approx. 55 mm^2/s
	Density, 20 °C (ASTM-D 1298)	approx. 975 kg/m^3
	Flash point, COC (ASTM-D 92)	approx. 140 °C
	Mineral oil content	approx. 23 % weight

Application

- ashless high performance hydraulic fluids
- compressor oils with antiwear properties

Additin RC 9300 is ideally suited for use in ashless hydraulic fluids for which the following high performance demands have to be met:

- very high oxidation stability (extended service life)
- high load carrying capacity
- good demulsification
- good corrosion protection against steel and non-ferrous metals
- good filterability
- excellent thermal and hydrolytic stability

Additionally Additin RC 9300 is also ideally suited for formulating compressor fluids with antiwear properties based on high quality mineral oil as well as PAO and PAO/ester mixtures.

According to requirements, the recommended treatment levels of Additin RC

	9300 are in the range of 0.45 to 0.6 % by weight.
Solubility	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.
Test results	Test results see Technical Reports
Packing unit	200 kg bunghole drums
Storage conditions	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 homogenity of the pro duct without adverse effects. Local overheating - above 60 °C - must be avoided.
Handling	Consult material safety data sheet (MSDS) for additional handling information on Additin RC 9300.

® = registered trade mark * The analytical data are guide values. Additin RC 9300 is on EINECS and TSCA inventory.

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