

Additin® RC 9410

Additive Package

Type

Ashless additive package for industrial gear oils according to:

- U.S. Steel 224, 222, 223
- DIN 51517, part 3 (CLP)
- SEB 181 226
- AGMA 250.04 (EP Gear Oils), AGMA 9005 - D 94 (EP Gear Oils)

slideway oils according to:

- Cincinnati Milacron P-50

hydraulic oils according to:

- DIN 51524, Teil 2 (HLP)
- AFNOR NF E 48-603 (HM)

Technical Data

Composition	combination of phosphorus-sulphur compounds with oxidation and corrosion inhibitors
Appearance	light brown liquid
Sulphur	approx. 16 % weight
Phosphorus	approx. 1.3 % weight
Nitrogen	approx. 1.0 % weight
Viscosity, 40°C (ASTM-D 445)	approx. 65 mm ² /s
Density, 20°C (ASTM-D 1298)	approx. 980 kg/m ³
Flash point, COC (ASTM-D 92)	approx. 150°C
Mineral oil content	approx. 20 % weight

Application

- industrial gear oils
- metalworking fluids
- slideway oils
- hydraulic oils

Additin RC 9410 is an ashless additive package with outstanding EP/AW behaviour, oxidation and corrosion inhibiting properties.

Industrial gear oils based on Additin RC 9410 exceed following requirements:

- Timken OK load
 - oxidation stability
 - corrosion protection of steel and non-ferrous metals
 - wear protection capacity
 - load-carrying capacity (FZG test A 16.6/140°C)
- Typical treat rate to meet U.S. Steel 224 is 1.8 % by weight.

Additin RC 9410 is a low odoured additive package with good anti-stick-slip and demulsifying properties. A formulation with 1.8 % by weight Additin RC

9410 in a mineral oil ISO VG 220 is approved by Cincinnati Milacron P-50.

Due to its very low smell and its well balanced EP/AW/CI composition Additin RC 9410 can beneficially be used as a completely formulated additive package for metal working oils.

Recommended treat levels:

- automatic machining: approx. 2%
- grinding: approx. 2%
- drilling, turning: approx. 3%
- milling operations: approx. 4%
- deep drilling: approx. 5-7%

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 Report
Packing Unit	200 kg bung-hole drums
Storage Conditions	in a dry place at room temperature approx. 12 months
Handling	Consult material safety data sheet (MSDS) for additional handling information on Additin RC 9410.

® = registered trade mark * The analytical data are guide values. * Additin RC 9410 is on EINECS and TSCA inventory.

Version: 2/28. Oct 2004

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the

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.

Rhein Chemie Rheinau GmbH
Duesseldorfer Strasse 23-27
68219 Mannheim, Germany
Tel.: +49-621-8907-0
Fax: +49-621-8907-675
E-Mail: loa.info@rheinchemie.com
www.rheinchemie.com

A company of the
LANXESS
Group

