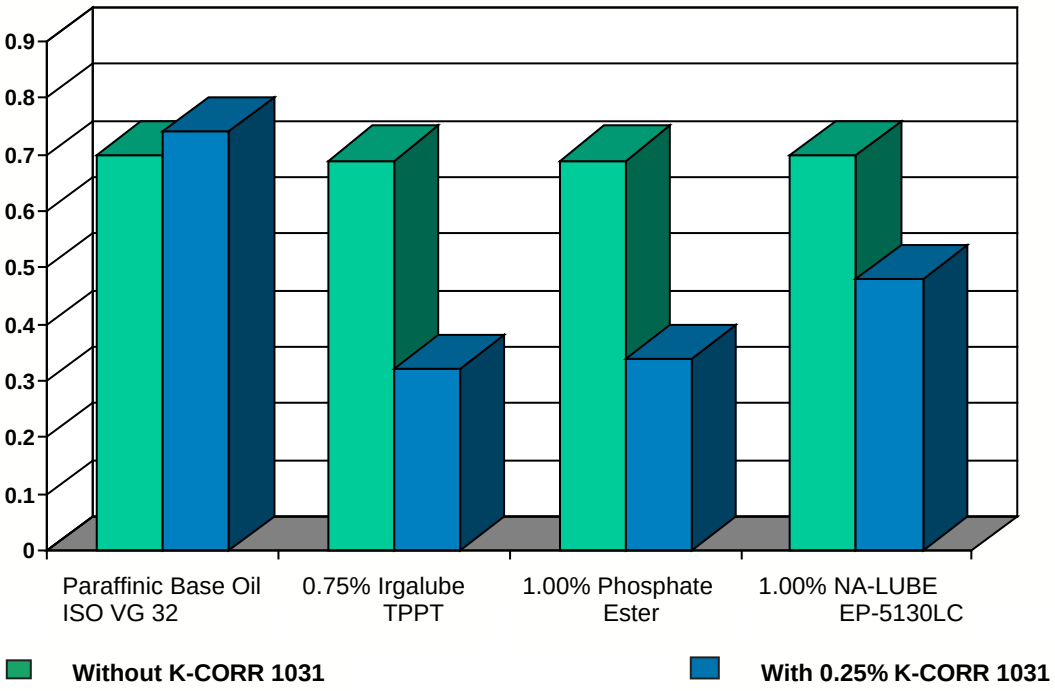
King Industries, Inc. - Lubricant Additives Division
Technical Report
Science Road, Norwalk, CT 06852 - (203) 866-5551
Fax: (203) 866-0425 - Email: lad@kingindustries.com

K-CORR® 1031
Antiwear Synergy with Extreme Pressure Agents

One of the unique performance characteristics of **K-CORR 1031** is its ability to improve the performance of selected extreme pressure / antiwear agents. EP/AW agents and rust inhibitors compete for sites on the substrate and typically are antagonistic towards each other. **K-CORR 1031** is unique because it is synergistic with a variety of EP/AW additives.

Scar Diameter: Four Ball Wear (ASTM D 4175) 1 hour, 75ºC, 40 kg, 1200 rpm

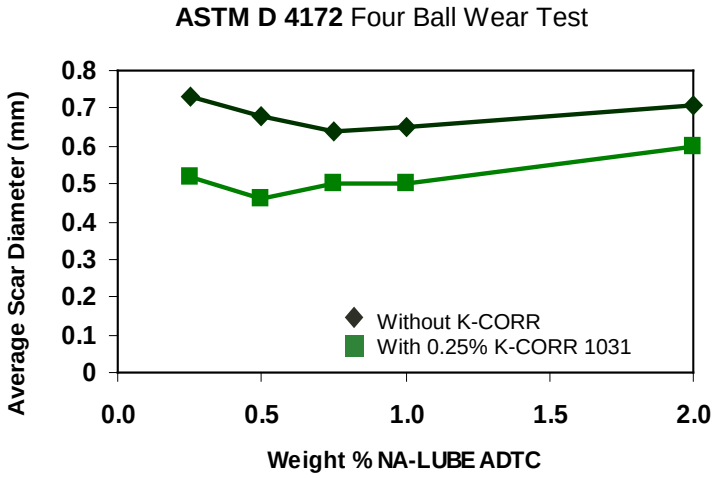


The bar graph above shows the synergistic four ball wear performance of 0.25% K-CORR 1031 when used in combination with triphenyl phosphorothionate (TPPT), a phosphate ester, and NA-LUBE EP-5130LC (a sulfurized olefin).

(see reverse side)

K-CORR® 1031
Antiwear Synergy w/ Extreme Pressure Agents

The graph below shows this antiwear synergy using 0.25% K-CORR 1031 in combination with various treat levels of NA-LUBE ADTC (an ashless dialkyldithiocarbamate) in an ISO VG 32 paraffinic oil.



The results shown reflect data generated by King Industries' Technical Service Laboratory. Actual results may vary depending on the additive package, base oil, and test equipment design.

For Samples or Technical Service, contact King Industries or your King representative.

King Industries, Inc.
Science Road
Norwalk, CT 06852-0588
Tel: 203-866-5551
Fax: 203-866-0425
E-mail: LAD@kingindustries.com

King Industries International, Inc.
Science Park 402,
1098 XH Amsterdam
The Netherlands
Tel: +31-20-723-1970
E-mail: info@kingintl.nl

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