



**WE START BY
UNDERSTANDING
YOUR BUSINESS**

AD1047 Range of Additive Components

The AD1047 range is comprised of four individual components including high based calcium sulphonate and phenate detergents and two ZDDP antiwear / antioxidants.

The table below summarises the applications where these products are utilised.

		Engine Oils	Gear Oils	Metal Working Fluids	Greases
AD1047-T107	400 TBN Calcium Sulphonate	✓		✓	✓
AD1047-T122	270 TBN Calcium Phenate	✓	✓		✓
AD1047-T202	Octyl/Butyl	✓		✓	✓
AD1047-T203	Di Octyl ZDPP	✓	✓	✓	✓

To see how we could help your business
call 0044 (0)20 7717 0100 or visit www.sip.com

**AD1047-T107:
400TBN Calcium Sulphonate**

Has excellent high temperature detergency. Used as a detergent / corrosion inhibitor in engine oils at up to 5% and at an appropriate dosage for marine cylinder oils, depending on TBN required, and in industrial oils at 0.1 to 0.5%.

**AD1047-T122:
270 TBN Calcium Phenate**

Provides detergency and antioxidant to high performance engine oils at dosages of 0.5 to 4.0%. Has good neutralizing capacity and oxidation resistance. Has lower Sulphated Ash per TBN unit compared with Sulphonates.

**AD1047-T203:
Zinc Di Octyl Dithiophosphate**

A primary alkyl ZDDP which is used mainly for its anti-wear characteristics but also provides antioxidant and corrosion inhibition. Treat rates will vary on application but can be from 0.5 to 1.0% for industrial oils and greases and up to 10% in engine oils.

**AD1047-T202:
Zinc Octyl / Butyl Dithiophosphate**

A primary alkyl ZDDP with good hydrolytic stability, making it ideal for hydraulic and gear oils, where it can be used from 0.5 to 3%. Also provides excellent bearing corrosion protection for engine oils at up to 10%.

Specifications and SDS data are available on request.

Please contact your SIP representative or email enquiries@sip.com for further information.

**SUPPLYING HIGH QUALITY
BASE OILS TO INDUSTRY
FOR OVER 30 YEARS**

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