



# TECHNICAL BULLETIN

## Penrite 10 Tenths Karting Oil KO2ST

Issue: June 2016

For years the Karting community has relied on castor based oil as the lubricant of choice for high revving two stroke engines used in competition and recreational go karts. Developed back over a century ago initially for rotary aeroplane engines with total loss lubrication systems, it provided good lubricity but no other real protection for two stroke or four stroke engines.

Modern engines require modern lubricants to satisfy performance and protection standards and Penrite in conjunction with leading Go Kart Race teams, have developed a brand new, fully synthetic two stroke karting oil to cater for today's ultra-high performance engines.

KO2ST is a full synthetic, ester based 2 stroke oil engineered specifically for elite kart racing. It is designed to provide maximum power and protection in all performance two stroke engines. It is engineered using an advanced, powerful, virtually ashless, clean burning, high performance additive package for maximum lubricity and ultra-low carbon and piston deposits. It can be used in all two stroke engines used in either competition or recreational activity using either a premix or oil injection system. It can also be used for direct injection engines. It is recommended for use in go karts such as 60cc, 100cc, 125cc and water cooled engines such as Vortex, IAME, Rotax, Yamaha, TM and others that require a high performance synthetic two stroke oil or where Castor based products have been previously used. Suitable for use in ICA Class water cooled Go Karts revving to over 21,000 RPM. It can be used with Petrol / E10 & other conventional fuels. *Please note this product is not suitable for use with methanol or E85.*

### Why is this oil better than Castor?

Over 100 years of technology in oil manufacturing and additive technology provide KO2ST with –

- 1) Better lubricity for increased performance
- 2) Less carbon build up on pistons and around ring lands to stop sticking rings and avoid compression related issues due to carbon build up on the piston
- 3) Cleaner engine - (Castor has no cleaning additives)
- 4) Ashless technology
- 5) Proven performance gains
- 6) Increased hours between overhauls

# PENRITE



At Penrite we believe in providing "The Right Oil for the Right Application". To find the correct product for your vehicle, [Click Here](#) to visit the Penrite Recommendation Guide, which will ensure you receive the correct oil for your application.

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