



TECHNICAL BULLETIN

Mazda Rotary Engine Oils

Issue: November 2014

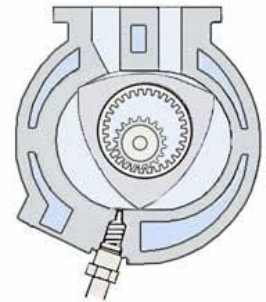
Mazda does not recommend and has stated that it would not warrant the use of synthetic oils in their rotary engines due to issues with carbon-type deposits that form in the unique combustion environment these engines operate under. This has now been extended to partial synthetic products.

However, this only applies to "traditional" type synthetic oils that is, PAOs and Esters. This has been checked with Mazda in Japan.

The RX-8 is very specific. It only allows the use of mineral oils.

Penrite recommendations extracted and shown below fully comply with Mazda's recommendations, only recommending mineral oils.

69-71	R100, Rotary Eng., Man.	HPR30/ PMO20 TM	4.0 [#]
70-73	RX-2 Capella, Rotary Eng.	HPR30 TM	4.4 [#]
72-76	RX-3 Savanna, Rotary Eng.	HPR30 TM	4.2, 4.8
73-79	RX-4, Rotary Eng.	HPR30 TM	4.2, 5.0
76-79	RX-5, Rotary Eng.	HPR30 TM	5.0
79-85	RX-7, 1.1 Litre Rotary Eng.	HPR30/ PMO20 TM	4.2
86-87	RX-7, 1.3 Litre F/Inj. Rotary Eng.	HPR30/ PMO20 TM	4.4
88-91	RX-7, 1.3 Litre F/Inj. Rotary Eng.	HPR30/ PMO20 TM	4.4
86-87	RX-7, 1.3 Litre Turbo Rotary Eng.	HPR30/ PMO20 TM	4.4
88-91	RX-7, 1.3 Litre Turbo Rotary Eng.	HPR30/ PMO20 TM	4.4
92-99	RX-7, 1.3 Litre Twin Turbo Rotary Eng.	PMO10/ PMO15 TM	3.3, 3.5*
08-12	RX-8, 1.3 Litre Rotary Eng., Man./ 6-Spd. Auto.	PMO05 ^{HM}	4.4*
03-08	RX-8, 1.3 Litre Rotary Eng., Man./ Auto.	PMO05 TM	3.5*



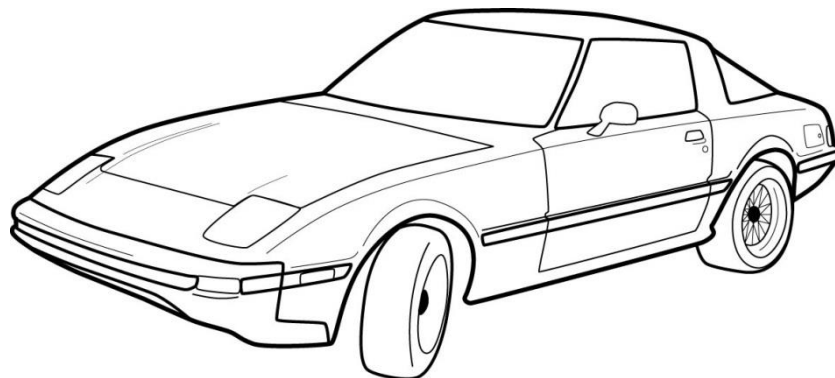
Penrite manufacture a full range of Premium Mineral Engine Oils that are suitable for use with Mazda Rotary engines from the latest RX-8 back to the R100.

- PMO05 – Everyday Driving 5W-30
- PMO10 – Everyday Driving 10W-30
- PMO15 – Everyday Driving 15W-40
- PMO20 – Everyday Driving 20W-50
- HPR30 – HPR 30 SAE 20W-60

Please note that customers who use other Penrite products such as HPR 10 and HPR 15 and that have not experienced any operational issues, should continue to use these products. It should also be noted that Pro 5 and Pro 10 are not recommended for use in newer Mazda rotary engines.

Penrite recommend "The Right Oil for the Right Application"

[Click Here](#) to visit the Penrite Recommendation Guide, which will ensure you receive the correct oil for your vehicle



PENRITE OIL COMPANY PTY LTD, 88 Lewis Road, Wantirna South
 Victoria AUSTRALIA 3152, ABN 25 005 001 525
 Enquiries: Phone 1300-PENRITE (1300 736 748)
 Fax: 1800-PENRITE (1800 736 748)
 International: Phone: 61 3 9801 0877, Fax: 61 3 9801 0977
 New Zealand Ph: 0800 533 698, Fax: 0508 736 748

**PROUDLY AUSTRALIAN
 FAMILY OWNED
 SINCE 1926**



United Kingdom and EU Ph: +44 (0) 1594 562357, Fax: +44 (0) 1594 564234
 Website: www.penriteoil.com, Email: penrite@penriteoil.com

PENRITE