

PowerModel 2T-S Questions and answers

Q1. I am using 2 stroke oil that I picked up at my local garden centre .It seems to work ok. Why should I change to PowerModel oil?

A1. There is a wide variety of two-stroke oil in the market from DIY stores garden centres motorcycle dealers .Many of these are formulated to a cost and may be of low or variable quality. These oils may seem to work for a while but this can be misleading. PowerModel 2T-S is specially formulated for your model engine with special high temperature protection for air-cooled engines. It will also give superior control against piston deposits, cleaner emissions.

Q2. My engine maker says to use a mineral oil at 25/1 for running in. Can I use PowerModel 2T-S?

A2. We strongly recommend to follow the engine makers recommendations
For running in. A good quality petroleum 2 stroke oil is preferable specially to allow the piston ring to bed in fully. Then switch to PowerModel 2T-S to obtain all the benefits.

Q3. My engine maker recommends 30/1 fuel mix. 50/1 is strongly recommended on the label so can I use Power Model 2T at 30/1 or 50/1?

A3. Yes you can use either. Most engine makers recommend 30/1 because they cant really control the end users choice of oil and some might not offer sufficient lubrication. PowerModel 2T-S is specially designed for 50/1 use has very high film strength and tested over extended periods at 50/1 and above. Using 50/1 the engine will have lower emissions and superior throttle response as well as saving on the oil bill!

Q4. I am mixing 1 us gallon of fuel how do I know how much to add?

A4. There is a mixing reservoir on the container and a guidance chart. That will allow you to fill accurate amounts of oil. Close the cap and squeeze the oil into the reservoir and add to your fuel. The oil is dyed to show it has oil in it. There is a convenient mix chart on the oil pack.

Mix ratio up to 50:1 or according to manufacturer

Ratio of fuel to oil	ml of oil per litres of fuel			ml of oil per US gal/qt	
	1 litre	5 litres	20 litres	1 qt	1 gal
14:1	71	357	1428	68	270
15:1	67	333	1333	63	252
20:1	50	250	1000	48	189
25:1	40	200	800	38	151
32:1	31	156	625	30	118
40:1	25	125	500	24	95
50:1	20	100	400	19	76

**Conversions: 1 US gal = 3.785 litres (3,785 ml) 1 US quart = 946.3 ml
1 US fl oz = 29.6 ml 1 litre = 1000ml**

Q5. Can you explain what the Heat Protection claim is and why it's important for my engine.

A5. Air-cooled two stroke engines are one of the most difficult to lubricate. The advent of reed valves and light weigh pistons means the engines run at high rpm and wide-open throttle. Being air-cooled with no forced cooling can mean the engines need a lubricant with good film strength and deposit control at high temperature. Motorcycle oil is formulated for low smoke emissions and engine have well controlled cooling; outboard oil is designed for water-cooled engines and may break down at high temperature. Other types of oil e.g. for garden equipment are often of variable quality and formulated to low cost.

PowerModel 2T-S Questions and answers continued....

Q6. Will I have to make any adjustments to the carburettor needle settings if I change to PowerModel 2T-S?

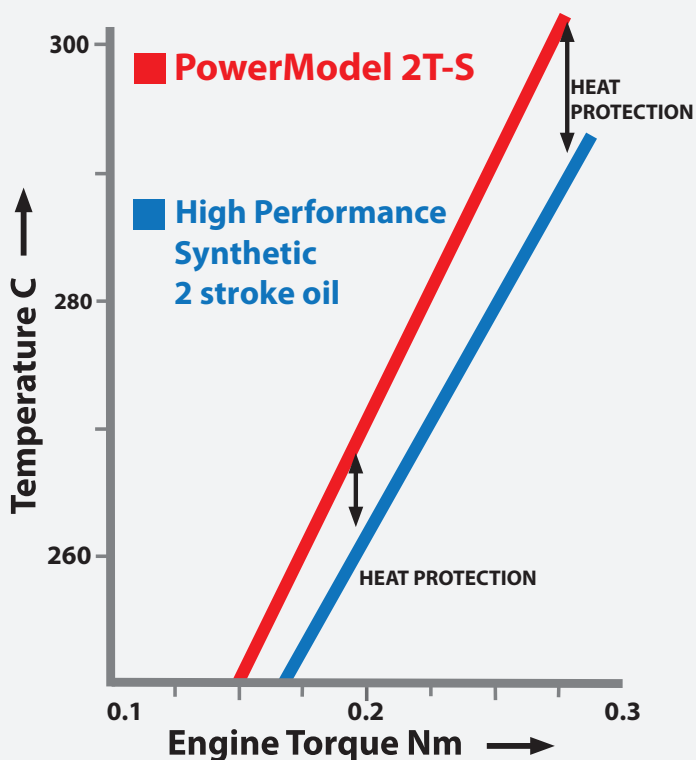
A6. Yes, it's quite likely. When oil is mixed with fuel it will almost certainly affect the flow through the carburettor jets and thus require some adjustment. Always follow the manufacturers recommendations.

Q7. Will PowerModel 2T-S allow my engine to run cooler?

A7. No but in the event of engine temperature rising, PowerModel 2T-S will give far better protection against seizure. See chart below:

PowerModel 2T-S High temperature protection

JASO TEST METHOD 340-92 ISO 13738



Q8. What other benefits will PowerModel 2T-S bring to my engine?

A8. Being synthetic it is more fluid and soluble in gasoline and is proven to not separate from fuel even over 12 month periods. You should also notice lower cleaner exhaust emissions and throttle response. PowerModel 2T-S makes an ideal for storage oil as it contains a powerful corrosion additive that is effective even against salt water.

Q9. Where can I buy PowerModel 2T-S?

A9. From your local hobby dealer!

Thank you for choosing Deluxe Materials PowerModel 2T- S.

Pour high temperature protection in your tank !