

Hayabusa Engine Oil Recommendation

The information within this data sheet is built from our experience, this is intended as a guide but the customer must be aware that there may be scenarios where an alternative is more suitable, we cannot foresee all eventualities and applications.

Unlike car engines, bike engines should normally be run in with speed and reasonable load. Due to the nature of the nicksil bores and nitrited rings, we use a fully synthetic oil for this procedure as specified below.

Hayabusa with SBD Drysump System Engines

OIL-EN-RP-XPR-10W40-01

This oil is able to offer protection and retain a suitable viscosity even at high oil temperatures, this is critical as the Hayabusa has an Aluminium engine block and as such main bearing clearances will grow dramatically with temperature.

Advised oil temperature range

(Always monitor Oil temperature & Oil pressure it is dangerous not to)

Min 60C

Max 125C

Optimal Oil temp 80C to 100C

Advised oil pressure range

Cold oil pressure (10C) Idle approximately 60PSI, pressure will exceed 100PSI when oil is cold DO NOT rev engine when cold.

Idle pressure is a result of oil viscosity and temperature, at 100C and 1400 RPM expect 5 to 8 PSI if using standard oil pump drive gear, if running our High Speed gear expect 10-12. These figures are normal.

Remember that as the oil temperature rises the oil pressure will drop. In order to get an indication of the condition of the bearings in your engine, always monitor and compare oil pressures at the same temperature. If you notice a drop in oil pressure compared to what was seen previously, then the engine needs inspection.

Please note:

It is very costly and time consuming to test various oil manufacturers products, we have seen good results with Royal Purple products and as such would always advise the use of the oil as listed in this information sheet, please do not ask our opinion on other oils which we have not tested or used.



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