



Which oil should I use?

Important information about variator oil.

Shell Morlina S2 BL (previously Shell Morlina 10) and Shell Tellus R10 are the **ONLY** oils that will work in our variators. Regardless of what your oil supplier may say, there are **NO EQUIVALENTS**.

We appreciate that this may cause you problems, particularly as neither of these oils is FDA approved, but we have been unable to find any acceptable alternatives.

When the variator is operating normally, a thin film of oil transmits the driving force in a non-newtonian manner. The behaviour of the oil is **absolutely critical** to the function of the unit and is a function of the oil composition, its molecular weight and its viscosity stability.

There has been a recent spate of breakdown recently due to oil suppliers claiming their products are equivalent, and that they are suitable for use in variators.

If the wrong oil is introduced, the variator will begin to slip, causing loss of drive or speed fluctuation. During this slippage your variator is being destroyed, there will be metal to metal contact where there should be none and the drive balls and rings will be permanently damaged, requiring replacement or, at best, re-grinding.

Your variator will normally be supplied with no oil inside, the oil is supplied to you in a separate bottle. It is important to fill the variator to the correct level, using a quantity of the oil supplied. Additional oil can be purchased from us or from a Shell distributor.

Regrettably, failing to fill or top up the variator with an approved grade of oil will invalidate your warranty.