

## Why use an Accusump?

Oil is important, period.

### **Without it your engine is history.**

Your engine is a complex arrangement of metal parts moving constantly.

Without oil, the friction caused from metal on metal generates enough heat to melt those moving parts and causes them to quickly fuse together causing a 'seized' engine.

Without oil pressure, your engine just wouldn't survive more than a mile, a lap, a mud hole or a stoplight.

It flows everywhere - lubricating, cooling and removing miscellaneous dirt and debris.

There are two common conditions when your engine is without its vital fluid.

**The first**, as I'm sure you've heard before, is during the start-up procedure.

When you reach for that ignition your engine oil is sitting in your oil pan, maybe a little in your oil filter.

But there is none where your engine needs it the most, where those metal on metal surfaces are.

So as you turn that key and your engine starts to spin, your engine has no oil pressure, no supply of oil to those moving parts.

Until your engine is running and the oil pump is pumping, it has very little protection from this kind of metal on metal wear.

**The second** condition when your engine loses oil pressure is during an extreme condition when the oil pressure surges.

Such as everyday hard braking and turning on the street (*and most certainly on the track*), extreme vehicle angles such as off-road conditions or in marine applications when there happens to be rough conditions.

These are the same conditions that would spill your coffee out of your coffee cup.

During these times the oil in the pan moves away from the oil pick-up tube (the tube that the oil pump sucks the oil out of the oil pan through) and there is a sudden loss of oil pressure.

Again leaving your engine without that vital lubrication.

We've all seen those '**Super Lubricant**', '**As Seen On TV!**' gimmicks that are supposed to protect your engine even with loss of oil pressure but we all know that **nothing is better** than always having your oil right where it should be

## Pre-oiling

Independent studies have indicated that up to 50% of wear on engine components occurs during the engine start-up, before oil pressure can be established by the oil pump.

The Accusump can eliminate this "Cold start scuffing" by delivering oil under pressure before the engine is started.

## Surge Protection

The Accusump provides that extra margin of protection that you need against engine damage caused by loss of oil pressure.

Racing and high performance street engines by nature are put under a lot of stress by the high G-load situations they are commonly placed in.

As oil in your pan sloshes about, your oil pump pickup can become uncovered, which causes a loss of oil pressure and sets the stage for severe engine damage.

The Accusump provides oil during these times reducing the potential for damage.

## Precision Built

The Accusump is built from a heavy wall, roller burnished aluminum tubing which is Teflon coated inside.

Features include a double o-ring piston, screw in billet aluminum end caps, safety end clamps to prevent distortion, air pressure gauge, air pre-charge valve and a safety blow-off valve.

All units come with a complete installation and operation manual.