

# LUBRICANTS-SEALERS-CHEMICALS

LUBRICANTS ..... S13/1

SEALERS/CHEMICALS ..... S13/2

## Lubricants

### ENGINE OILS

Most modern oil is unsuitable for older flat tappet cam engines. When catalytic converters came along, the amount of Zinc, Phosphorous, Molybdenum & other additives was reduced to try & increase the life of the catalyst. Unfortunately, this created thousands of camshaft failures across the World, as no one knew in the aftermarket, what was really happening. Now, that is all behind us, as we have solutions to the problem.

If you have fitted a new flat tappet cam, or an engine with this type of cam fitted, [or indeed a performance hydraulic roller cam] then we recommend the running in oil is used [BY1590], together with the break-in oil additive [BY159]. This exceeds the recommended 2000-2500ppm of Zinc and will protect your cam if you follow correct running in procedures for your camshaft. Keep the oil & additive in for at least 250-500 miles.

**BY1590** 10W/30 Running in oil **£6.60 US qt**

1 US qts = 946ml. 4 US qts = 1 US Gallon.

**BY159** Break-in oil additive **£12.88 354ml**

354ml = .375 US qts.

Once the camshaft/engine is properly run in, we recommend using the Comp-Cams performance oil listed below. To be on the safe side, we recommend using 1/3 of a bottle of the break-in oil additive [BY159] per oil change. This will ensure there is enough Zinc [above 2000ppm] per oil change. This will ensure there is enough Zinc [above 2000ppm] per oil change. This will ensure there is enough Zinc [above 2000ppm] per oil change. This will ensure there is enough Zinc [above 2000ppm] per oil change.

**BY1595C** 15W/50 Performance oil **£9.19 US qt**

1 US qt = 946ml. 4 US qts = 1 US Gallon.

**VR1 Racing oil**, a high performance oil for high performance driving. Special driving conditions demand a special motor oil, & Valvoline Racing is certainly special. Formulated for ultimate performance in 4-stroke competition engines used in off-road, rally & racing cars. These race proven lubricants have exclusive chemistry to reduce internal friction, enhance power output, minimise foaming, & resist thermal breakdown. This racing oil is also suitable for every-day city & motorway driving. Contains the ZDP package needed for flat tappet cams. Meets API SJ.

**AZ11940** VR1 Racing oil 1 litre, 20W-50 **£8.56**

**AZ11951** VR1 Racing Oil 5 litre, 20W-50 **£38.86**



### TCI MAX SHIFT AUTOMATIC TRANS FLUID

Add shift quality, performance & durability to any automatic transmission by simply pouring in TCI Max Shift [ATF] Transmission fluid. Max Shift has been proven to resist viscosity breakdown in even the most demanding street & race applications. Fully compatible with other brands of mineral ATF. Here are some key features- *Reduces internal friction & heat build up [while promoting clutch lock-up] for increased shift quality & life. Premium fluids developed with ultra-pure base oils resist viscosity breakdown & extend fluid change intervals. Contains exclusive friction eliminating, anti-foaming & extreme heat additives, no other additives or treatments needed. Exceeds Mercon & Dexron performance specifications - check each formula for exact spec.*

**BY950640** Street performance 1 US qt/.946L **£7.64**

**BY950610** Race 1 US qt/.946L **£9.80**



### APPROXIMATE FLUID CAPACITY [US qts-.946L]

[using standard sump pan only]

TORQUE CONVERTERS:		TRANSMISSIONS:	
13"	5qts	Torqueflite 727/904	5qts
12"	4qts	Ford C4	5.5qts
11"	3.5qts	Ford C6	7qt
10"	3qts	Ford AOD/AODE	6.5qt
9"	2.5qts	GM Powerglide	4qts
8"	2qts	GM TH350	4qts
7"	2qts	GM TH400	6qts
		GM 4L80E	7.7qt
		GM700R4/4L60E	6qts
		GM200R4	6qts

### Moroso Climbing Gear Lube

High performance extreme high pressure gear lube. Uses include manual transmissions & both conventional & posi-traction diffs, that would have used an EP90 gear oil. Contains special clinging agents that provide direct adhesion to all moving parts.

**BY34800** 1 US qt/.946L **£23.69**



### Clevite 77 Bearing Guard (assembly lube)

Specially formulated with an extreme pressure rating to provide proper lubrication for internal engine components during assembly and the first crucial moments of operation after engine start up.

**BY2800B2** 8fl oz//227ml Bottle **£5.48**



### VALVOLINE ATF MINERAL TRANSMISSION FLUID

Valvoline transmission fluid, is based on premium base oils & advanced additive systems, providing the ultimate protection. The ATF lubricants listed below, are specially designed to meet the needs of specific transmissions, providing superior lubrication & good cold weather performance.

**AZ14820** Dexron 3/Mercon 1-litre **£7.86**

Use above fluid for the "Tremec" range of manual gearboxes



### Prolong Engine Treatment

Protects against friction & heat, patented formula treats the metal, start use at oil change or in between, effective in new & high mileage vehicles.

**BY11100P** Booster treatment 8fl oz **£7.97**



**Competition Cams Cam Lube**

When your engine is built it can sit around for a long time. Oil would gradually run off the cam etc. These products are designed to stick on, to avoid metal to metal contact & excessive wear.

- BY103 Sachet- 5/8fl oz // 18g £2.82
- BY102 Tub- 4fl oz // 113g £7.99



**Permatex Blue RTV Silicone Gasket**

The original Blue, Replaces almost any cut gasket, Makes reliable "formed in place" gaskets that resist cracking, shrinking & migrating. Coats precut gaskets to increase reliability. Temp range -65f to 500f intermittent. Resists car & garage fluids & vibration. Suggested application- Rocker covers/ Sumps/ Timing covers/ Auto g/box sump/ Water pumps/ Thermostat housings etc. Sensor safe.

- BY6BR 3oz tube-carded £5.03



**Comp/Cams V/Spring Protection Lube**

Valve train assembly spray. Use before start up & it will help the running in process. This should extend the life of your valve springs.

- BY106 Valvetrain assembly spray £13.40



**ARP ASSEMBLY LUBRICANT**

The lubricant ARP use when testing and calculating torque wrench settings to be used on their fasteners. Other applications- primary assembly lube for engine components, press fitting, gear trains & general machinery. The lubricant is a premium grade moly base w/rust & corrosion inhibitors, & has an effective lubrication range of -30f to 750f, load range: 500,000 PSI.

- BY100-9903 1.69 fl oz // 48 grams £11.22



**PERMATEX-"THE RIGHT STUFF"**

Use for sealing gaskets, or making a gasket. Using the latest elastomeric rubber gasket technology is blowout resistant, & outperforms precut gaskets. As used by GM/Ford, & M.B. Temp range -75f to 450f (-60c to 232c) continuous, 500f (260c) intermittent. Resists ATF, coolant, oil & other garage fluids. Suggested application- Automotive & Marine gaskets, Rocker covers/ Gearbox covers/ Pumps/ Compressors/ Thermostat housings/ Water pumps/ Sumps etc. This stuff is the best!

- BY25224 7oz Pressurized tube £23.63



**ARPTHREADSEALER**

ARP use this when testing and calculating the torque wrench settings to be used on their fasteners. The sealer delivers a flexible leak proof seal in aluminium, steel, s/less steel & plastic against coolants, water, petrol, natural gas and LPG. Seal is PTFE based w/rust & corrosion inhibitors, with an effective range of -30f to 550f, sealant range: 10,000 PSI (pressure).

- BY100-9904 1.69 oz / 48 grams £13.55



**Energy Suspension- Silicon Grease**

Formula 5 prelube is a versatile, waterproof, non melting grease containing teflon. It forms a tough, durable, chemical resistant film of lubricant that prevents metal to metal contact even under severe shock loads.

- BY9-11108G Poly bush lube £1.50



**ARP FASTENER ASSEMBLY LUBE**

ARP Ultra-Torque fastener assy lube has been designed to reduce tension pre-load scatter & eliminate the need to cycle high performance engine fasteners before final installation. Claimed to give 95-100% of all ARP recommended installation preloads on the first pull, without cycling fasteners before final assy.

- BY100-9908 .5 fl oz pouch £2.30



**Valvoline WD & Silicone Sprays**

The silicone spray is a light duty lubricant. Leaves no sticky residue, non staining, stops squeaks & sticking, waterproofs & protects, prevents freezing. 1299 WD fluid penetrates, loosens & lubricates. Displaces moisture from any surface.

- AZ54040 Silicone spray 300ml £3.71
- AZ54334 1299 WD penetrating fluid £0.90



**Moroso Ceramic Engine Seal**

The best chemical sealer you can buy. Seals & coats cooling system. Seals minor cracks in heads & blocks. Works equally well in aluminium or steel blocks and heads. *Does not work with antifreeze.*

- BY35500 1 US pint// .47 ltr £22.51



**K&N Recharger Filter Care Service kit**

A maintenance sytem, designed to recharge any washable air filter. Completely restores air flow efficiency so your air filter performs like new.

- BY99-5050 8oz oil / 12oz cleaner £12.71



**Bars Leaks**

Stop leaks, lubricates pump. Works effectively with all anti-freeze.

- BYR-6 5.5fl oz / 163ml £3.02



**Sealers**

**Permatex Ultra Blue Gasket Maker**

Ultra silicone, eight times more flexible than cork/composite gaskets. Three times more oil resistant, than regular silicones. Temp range -75f to 500f intermittent. Resists car & garage fluids & vibration. Suggested application- Rocker covers/ Sumps/ Timing covers/ Auto g/box sump/ Diff covers etc. Sensor safe, low smell, non corrosive.

- BY77BR 3.35oz tube-carded £6.85



**MSD Spark Guard Sealer**

Stops voltage leaks, eases boot removal and prevents moisture build up.

- BY8804 £17.32



**Permatex Ultra Copper Gasket Maker**

RTV silicone gasket maker. For 4 cyl, turbocharged or high performance engines. The most advanced, high temperature RTV silicone gasket available. Eight times more flexible than cut gaskets. Three times more oil resistant, than regular silicones. Temp range -75f to 700f intermittent. Resists car & garage fluids & vibration. Suggested application- Exhaust manifolds/headers, Rocker covers/ Sumps/ Timing covers/ Water pumps/ Thermostat housings etc. Sensor safe, low smell, non corrosive. Superior adhesion.

- BY101BR 3oz tube-carded £9.36



**Loctite -572 Thread Sealant [seals & locks]**

Use this product where bolts & studs protrude into a water jacket. For instance, Chevrolet head bolts/studs. Cylinder head screw in studs.

- BY572 50ml bottle £26.597



**Permatex Indian Head Gasket Shellac Compound**

The original quality formula. Hard setting, economical sealant. Seals all common gasketing materials in low temperature and low pressure applications. Temperature range -65f to 350f. Resists diesel fuels & most Garage fluids. Suggested applications- Hose connections/ paper & cardboard gaskets.

- BY5J 2oz bottle £3.22



## Chemicals etc

**Autometer Pro-Comp Gauge Fluid**

This is the fluid Autometer put in all their liquid filled instruments



**BYAJG485** Small bottle

**£9.79**

**Permatex -271 Threadlocker**

High strength red. Ideal for heavy duty applications. Permanently locks studs & press fit items. Adds 3000psi holding power on slip & press fit assemblies. Replaces set screws & circlips. May require special tools for removal. Suggested applications: Cylinder block & rocker arm studs, ring gear bolts, chassis bolts, shock absorber bolts.



**BY27100** 6ml tube carded

**£7.40**

**Permatex -242 Threadlocker**

Medium strength blue. Ideal for all nut & bolt applications 1/4" to 1". Locks & seals. Helps prevent corrosion. Suggested applications: Rocker cover bolts/ water pump bolts/ sump bolts/ drive shaft bolts/ carb studs/ rocker adjustment nuts.



**BY24200** 6ml tube carded

**£6.00**

**Moroso Block Filler**

Just fill with water, mix & pour into block before machining. Helps prevent thin cylinder walls from cracking, & improves ring seal by keeping cylinders round. Dampens unwanted vibrations. Has expansion rate very similar to cast iron. For Drag Racing. Enough for 1 engine.



**BY35570** Case of 4 US Gallon containers **£68.64**

**Paint- Aerosol-312g**

Armor paints. Beware, these tins are under pressure, and the vapours are extremely flammable. Keep away from children.

<b>BYA102</b>	Alum Hi-temp >1200f	<b>£10.74</b>
<b>BYA114</b>	Black Hi-temp >1200f	<b>£10.12</b>
<b>BYA84</b>	Black-engine enamel	<b>£7.66</b>
<b>BYA85</b>	Chevy Orange-eng enamel	<b>£7.66</b>
<b>BYA87</b>	Ford Blue-engine enamel	<b>£7.66</b>
<b>BYA89</b>	Ford Dark blue engine enamel	<b>£7.66</b>
<b>BYA94</b>	Chrysler Blue-eng enamel	<b>£5.75</b>

**Grey Duct Tape**

Many a Car or Racing Car has had a quick repair carried out using "Duct" tape. 2" wide, 60 yards long. A must for every toolbox!



**BYD-60** Grey Duct Tape

**£5.48**

**Moroso A & B Epoxy**

Can be moulded like putty, and in one hour sets to a steel-like consistency. Does not shrink and is not affected by solvents, oils or petrol. Epoxy has a maximum use temperature of 250F allowing it to be used on intake manifolds, heads etc.

**BY35560** **£26.08**

**Permatex Hand Cleaner 1 US Gallon**

Biodegradable, waterless, solvent free hand cleaner, containing no harsh chemicals, mineral oils or ammonia. Pure fresh smelling citrus power does the cleaning. Fortified with aloe, lanolin, glycerin, and other skin conditioners.

<b>BY23218</b>	Smooth Lotion with pump	<b>£15.98</b>
<b>BY25218</b>	Fine Pumice with pump	<b>£14.17</b>

