



POWER STEERING FLUIDS UPDATED

As a part of our continuing product developments to ensure we have the best products we can for applications, Penrite have introduced a new synthetic Power Steering Fluid, **LDAS** to replace SSF. The main advantage of LDAS over SSF is that it may be used where LHM Plus has been recommended, so it reduces the chance of mis-application. Dyed green.

Available only in 1L packs.

At the same time, Penrite LHM Plus is being re-released in a 1L pack with the 2.5L pack being phased out.

Our new full range of powering steering and suspension fluids is:

	Type	Package
Power Steering Fluid	Mineral	500ml, 20L
LHM Plus	Mineral	1L, 20L
MB 15	Mineral	1L
PAS Fluid	Semi-synthetic	1L
HPSO	Full Synthetic	1L
LDAS	Full Synthetic	1L

In addition there are other fluids suitable for power steering and suspension applications:

ATF Top Up	Mineral	1L
Shocker Oil No 1 (ISO 46)	Mineral	1L
Shocker Oil No 2 (ISO 68)	Mineral	1L





Technical Bulletin

RECOMMENDED APPLICATIONS FOR LDAS, LHM PLUS, PAS FLUID AND MB15

Audi	Where VW 2000 is specified (excluding braking systems)	LHM PLUS
Audi	A2 and hydraulic suspension systems that require CHF 11S	LDAS
Alfa Romeo	Selespeed Control Unit	LHM PLUS
Aston Martin	DB9/Vanquish	PAS FLUID
Bentley	Arnage 1998 Hydraulic/Power Steering	LDAS
BMW	Power steering systems with self-levelling suspensions (that do not recommend either Pentosin 4548 or Pentosin CHF 7.1), M5 and 535 from 1990, 7 Series and 8 Series (1990-1998)	LHM PLUS
BMW	5 Series E34 current (1991-), 7 Series E38-current (1995-), M3 E36/E46 and E46 with S5D2302, E36M3 Hydraulic Gear Shift	LDAS
BMW	5 Series E28, 7 Series E32 to 9/91 and pre 8/87 where Pentosin 4548 or Pentosin CHF 7.1 are specified.	PAS FLUID
Chrysler	All vehicles (except Crossfire use LDAS), MS5931/9462	PAS FLUID
Citroen	All hydraulic suspension systems (except C5), and in 2CV and Dyana with disc brakes	LHM PLUS
Citroen	C5 (HYDRAactive 3 – orange fluid)	LDAS
Daimler	XJ6 3.2L and 4.0L (1989-1997)	LHM PLUS
Fendt	Tractor Braking System	LDAS
Ford	Focus from 2005, Transit ASM system	LDAS
Ford	Festiva, Focus to 2005, Mondeo (GE on)	PAS FLUID
General Motors	US Built GM, GMC, Chevrolet etc requiring GM 9985010	PAS FLUID
Holden	Astra TR-on, Vectra ZC, Barina XC, Zafira (all with electro-hydraulic power steering systems)	LDAS
Holden	VE Commodore, Captiva, HSV	PAS Fluid
Honda	All models	HPSO
Jaguar	S Type (1999-2001)	PAS FLUID
Jaguar	XJ6 3.2L and 4.0L (1989-1997)	LHM PLUS
Jeep	All vehicles MS5931/9462	PAS FLUID
Land Rover	ACE System and Power Steering (PAS 14315)	PAS FLUID
MAN	Cap tilt system, hydrostatic steering, TG-A Hydraulic Gear Shift	LDAS
Maserati	3200GT, 4200GT, Gransport, Quattroporte	PAS Fluid
Maybach	Power Steering	LDAS
Mercedes Benz	A Class and all models requiring MB 345.0 fluids or CHF 11S such as B Class, C Class, E Class, S Class, SL Class and Vaneo (including active body control units)	LDAS
Mercedes Benz	MB 236.3 applications	PAS FLUID
Mercedes Benz	MB 341 applications	MB 15/PAS
Mercedes Benz	MB 343 applications	MB 15
Mercedes Benz	MB 345 applications	LDAS
Mini	New Mini Power Steering Systems	LDAS
Peugeot	106, 1007 and 307 with electro-hydraulic steering, 407	LDAS
Peugeot	405 4x4 electro-hydraulic rear suspension	LHM PLUS
Porsche	Boxster 2.5L, 2.7L and Carrera (1997-), Type 911 Hydraulic clutch booster and power steering	LDAS
Renault	Clio V6 Power Steering	LDAS
Rolls Royce	1998 Silver Seraph hydraulic and power steering	LDAS
Rolls Royce	Models with plastic reservoir	LHM PLUS
Rolls Royce	RR 363 (metal reservoir)	Brake Fluid 525 + 2% neat castor oil
SAAB	Power Steering, all models	LDAS
SEAT	Power Steering, all models	LHM PLUS
SKODA	Where VW 2000 is specified	LHM PLUS
Volkswagen	Where VW 2000 is specified (excluding braking systems)	LHM PLUS
Volkswagen	Where CHF 11S or VW4000 is specified	LDAS
Volvo	Power Steering, all models	LDAS
Volvo	Older models pre 1991	PAS FLUID



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