

**Engine Oils Approved by Porsche**

Service Technical Binder, Group 1  
This bulletin replaces multiple bulletins, see filing information for list.

Vehicle Type: **Sports Cars/Cayenne S/Cayenne Turbo** (Not V6)

Model Year: **1984 - on**

Filing Information: **This bulletin replaces the following bulletins:**

- Boxster (986) Group 1 #1/05 Dated 3-31-05
- Boxster (987) Group 1 #2/05 Dated 3-31-05
- 911 (996) Group 1 #1/05 Dated 3-31-05
- 911 Turbo (996) Group 1 #1/05 Dated 3-31-05
- 911 (997) Group 1 #1/05 Dated 3-31-05
- Carrera GT Group 1 #1/04 Dated 2-25-04
- Cayenne V8 Group 1 #2/05 Dated 3-31-05

Please remove the above-mentioned bulletins from the appropriate workshop manual and file this bulletin in the single Service Technical Bulletin binder.

Concern: **Engine oils approved by Porsche.**

Information: **Approved Oil Availability**

Porsche approved oil availability varies by global region. Some oils on the following **“Approved List” may not be available in certain regions of the North American market**, or, may only be available in overseas markets exclusively.

When searching the “Approved List” for a particular manufacturer or brand name, keep in mind that the below listed “Sales Region Codes” are marketed for the North American region:

- CDN** Canada
- N-A** North America
- USA** United States of America
- WW** World-Wide

Explanations: **Oil Quality**

The engine oil is not only a lubricant, but also fulfills many functions at the same time such as component cooling, component cleaning, and protection from corrosion. To be able to fulfill this task, the oil contains specially-developed additives. Mineral oils are extracted directly from crude oil. Using a series of chemical processes, these oils can be further refined (hydrocracked oils) or completely transformed (synthetic oils). These oils provide a higher level of performance than pure mineral oils.

Only hydrocracked or synthetic oils are now approved by Porsche.

Explanation:  
(cont'd)

**Non-seasonal Light-running Oils**

Non-seasonal oils are distinguished by their low viscosity at low temperatures as well as a high level of temperature stability and a particularly low tendency to evaporate at high temperatures due to their composition. Oils which can meet such high performance requirements can be used as non-seasonal oils while taking into consideration the correct temperature range (see the temperature range point). These oils also have good light-running properties because of their small low-temperature viscosity and can therefore be referred to as non-seasonal light-running oils.

Only non-seasonal light-running oils are now approved by Porsche.

**Viscosity**

The viscosity of an engine oil is specified by the SAE viscosity class. The first number and the letter W (winter) identify the viscosity at lower temperatures. For example: 0W or 5W, where 5W is more viscous than 0W. The second number indicates the viscosity at higher temperatures. For example: 40 or 50, where 40 is less viscous than 50. Multi-grade oils are identified by both viscosity specifications. For example, SAE 0W40 or 5W40 or 5W50.

**Examples:**

0W40 and 5W40 oils have the same viscosity at higher temperatures, however, at lower temperatures, the 5W oil is more viscous.

5W40 and 5W50 have the same viscosity at low temperatures, but at higher temperatures, the oil having viscosity class 40 is less viscous.

**Temperature Ranges**

Above -12° F. (-25° C): all oils approved by Porsche for the vehicle type to be considered

Below -12° F. (-25° C):: all oils approved by Porsche for the vehicle type to be considered which have the SAE class 0W at lower temperatures.

**Miscibility**

The engine oils approved by Porsche can be mixed to the extent that it is not necessary to flush the engine when the oil is changed, or another type of oil is used. This holds true for mineral oils and synthetic oils.

However, since every brand of oil has a specially adapted unique composition, the same oil should be used for any topping up that might become necessary between oil change intervals, whenever possible.

Overview:

Manufacturer	Trade name	SAE class	Sales area
ADDINOL	HIGH STAR	5W-40	EU, E-EU, ASI
	Super Light MV 0546	5W-40	EU, E-EU, ASI
AGIP	Extra HTS	5W-40	WW
	Agip Synthetic PC SAE 5W-40	5W-40	WW
AMAG	GAMAPARTS Gold-Synt SAE 5W-40	5W-40	WW
ARAL	High Tronic 5W-40	5W-40	
BEIJING TONGYI PETROLEUM Co. Ltd.	Pinnacle 5W-40 Synthetic	5W-40	P. R. China
BP	BP Visco 5000	5W-40	WW
	BP Visco 5000 Turbo Diesel	5W-40	WW
	Visco 7000	0W-40	WW
CASTROL	Formula RS Road and Track	5W-40	WW
	Formula RS Power and Protection	0W-40	WW
	GTX 7 Dynatec	5W-40	WW
	GTX Magnatec 5W-40	5W-40	EU
	Performance 5W-40	5W-40	WW
	Syntec 5W-40	5W-40	WW
	TXT Softec	5W-40	WW
CEPSA LUBRICANTES	Star Mega Synthetic	5W-40	EU
ChevronTexaco Global Lubricant Solutions	Havoline Ultra	5W-40	WW
Conoco Phillips	76 Pure Synthetic Motor Oil	5W-40	WW
	Kendall GT-1 Pure Synthetic Motor Oil	5W-40	WW
DE OLIEBRON B.V.	Tor Hypersynth	5W-40	EU, M-E, F-E
DEUTSCHE PENTOSIN- WERKE	Pento High Performance	5W-40	WW
Deutsche Shell GmbH	Helix Ultra AK SAE 5W-40	5W-40	WW
DOLLBERGEN	MOTOR GOLD SUPERTEC	5W-40	EU
EMKA Schmiertechnik GmbH	Supersint FE 5W-40	5W-40	WW

Manufacturer	Trade name	SAE class	Sales area
EXXONMOBIL Corporation	Esso Ultron	5W-40	EU, ASI, AFR,N-/S-AM, M-E
	Esso Ultron 5W-40	5W-40	WW
	Mobil 1 SAE 0W-40	0W-40	WW
	Mobil 1 SAE 5W-40	5W-40	WW
	Mobil 1 SAE 5W-50	5W-50	WW
	Mobil Synt S	5W-40	WW
	Mobil Synt S 5W-40	5W-40	WW
	Mobil Syst S	5W-40	EU, ASI, AFR,N-/S-AM, M-E
	Mobil Syst S 5W-40	5W-40	WW
	Motor Oil Plus 5W-40	5W-40	WW
FEU VERT	FEU VERT 100% SYNTHÈSE 5W-40	5W-40	E, F
FUCHS PETROLUB AG	TITAN Supersyn SL SAE 5W-40	5W-40	EU
Great Wall Lubricating Oil Group Co., Sinopec	ULTRA GOLD SAE 5W-40	5W-40	P. R. China
GRUPA LOTOS SA (previously called Rafineria Gdanska)	Syntetic SL/SJ/CD/CF SAE 5W-40	5W-40	PL, E-EU
IGOL	PROCESS F6 5W-40	5W-40	WW
LIQUI MOLY GmbH	Leichtlauf HC 7	5W-40	WW
	Synthoil High Tech	5W-40	WW
MEGUIN GmbH & Co. KG	megol Super Leichtlauf engine oil (fully synthetic)	5W-40	WW
	megol Ultra Performance Longlife	5W-40	WW
MOL	DYNAMIC STAR	5W-40	E-EU
MOTOREX - Bucher	XPERIENCE FS-X	5W-40	WW
MOTUL	8100 X-cess 5W-40	5W-40	WW
Müller Hubert Math. Handelsgesellschaft, Eschweiler (Startol)	SYNT-XL, SAE 5W-40	5W-40	EU
ÖLWERKE JULIUS SCHINDLER GmbH	Econo Veritas XL-HC	5W-40	D
PANOLIN	INDY SV	5W-40	EU

Manufacturer	Trade name	SAE class	Sales area
PENNZOIL - QUAKER STATE INTERNATIONAL	Quaker State Full Synthetic European Formula	5W-40	USA, CDN, MEX
	Synthetic European Formula	5W-40	USA, CDN, MEX
PETRONAS DAGANGAN BERHARD	Syntium 800	5W-40	SE-ASI, AFR
	Syntium 900	5W-40	SE-ASI, AFR
Ravensburger Schmierstoffvertrieb GmbH, RAVENOL	RAVENOL VSI 5W-40	5W-40	EU, ASI
REPSOL YPF	ELITE COMPETITION SAE 5W-40	5W-40	WW
SINGAPORE PETROLEUM	SPC SYNACE SAE 5W-40 API SL/CF	5W-40	ASI
SRS SALZBERGEN - Germany	Wintershall Viva topsynth 5W-40	5W-40	EU
STATOIL	GT S 5W-40	5W-40	S, N, BS, SF, IRL
	LazerWay 5W-40	5W-40	S, N, BS, SF, IRL
TAMOIL	Sint Future Racing SAE 5W-40	5W-40	EU, AFR
UNICORN - SINGAPORE	Ultrasynt	5W-40	ASI
UNIL OPAL	Opaljet 24 S	5W-40	EU
	Opaljet 24 S 5W-40	5W-40	F, B, NL, SP
United Oil Company PTE Ltd.	United 1 Fully Synthetic Engine Oil SAE 5W-40 API SL/CF	5W-40	ASI
VEEDOL - International	Veedol Special R Plus 5W-40	5W-40	WW
WAKO'S Chemical Company Limited	ex Synthe 5W-40	5W-40	EU
WESTFALEN	Gigatron 0W-40	0W-40	
WOLF OIL CORPORATION	MASTERLUBE SYNFLOW DC (5W-40)	5W-40	EU
YACCO	VX 1000	5W-40	WW
	VX 600	5W-40	WW

**Important Notice:** Porsche Cars N.A Technical Bulletins are intended for use by professional technicians, not a "Do-it-yourselfer." They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Special tools may be required to perform certain operations identified in these bulletins. Use of tools and procedures other than those recommended in these bulletins may be detrimental to the safe operation of your vehicle. Properly trained technicians have the equipment, tools, safety instructions and know-how to do a job properly and safely. If a condition is described, do not assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your Porsche Dealer for information on whether your vehicle may benefit from the information. Part numbers listed in these bulletins are for reference only. Always check with your authorized Porsche dealer to verify correct part numbers.

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