

Technical Information

911 (996)

3/04

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Engine Oils Approved by Porsche

Binder, Group 1 - Engine, Part 2
This bulletin replaces bulletin Group 1, #4/02, dated 5-23-03.

Vehicle Type:	911 Carrera (996) / 911 Carrera 4 (996) / 911 Carrera 4S (996)
Model Year:	As of 1999 (X)
Concern:	Engine oils approved by Porsche
Filing:	Remove bulletin Group 1, #4/02, dated 5-23-03 from the 911 Carrera (996) Technical Manual and file this bulletin.
Information:	The engine oils listed in this Technical Information on pages 3 to 6 and approved for the 911 Carrera / 911 Carrera 4 / 911 Carrera 4S (996) models can also be unrestrictedly used retroactively for all 4, 6 and 8-cylinder Porsche engines from model year 1973 onwards.

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.

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.

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Manufacturer	Trade name	SAE class	Sales region
ABU DHABI NAT. OIL Co	Adnoc Image	5W-40	M-E, EU, ZA, F-E
ACIA France	ACIA 5W-40	5W-40	EU
ADDINOL	Addinol Ultra Light MV 046	0W-40	EU, ASI
	Addinol Super Light MV 0546	5W-40	EU, ASI
	HIGH STAR	5W-40	EU, ASI
AGIP	Agip Tec sint 0W-40	0W-40	WW
	Agip Tec sint 5W-40	5W-40	WW
	Agip Extra HTS	5W-40	WW
AMERICAN AGIP	Agip Synthetic PC	5W-40	N-A
ARAL	Aral SuperTronic	0W-40	WW
	Aral SuperSynth	5W-40	ROC
	Aral High Tronic 5W-40	5W-40	WW
BEIJING TONGYI PETROLEUM Co. Ltd.	Pinnacle 5W-40 Synthetic	5W-40	ASI
BP	BP Visco 5000	5W-40	WW
	Visco 7000	0W-40	WW
	Visco 7000 Sport	5W-40	WW
	BP Visco 5000 Turbo Diesel	5W-40	WW
	OJS Veritas Syntolube	5W-40	WW
CASTROL	Castrol Formula RS Power and Protection	0W-40	WW
	Castrol TXT Softec	5W-40	WW
	Castrol GTX 7 Dynatec	5W-40	WW
	Castrol Performance 5W-40	5W-40	WW
	Castrol Syntec 5W-40	5W-40	WW
	Castrol Formula RS Road and Track	5W-40	WW
CEPSA LUBRICANTES	Star Mega Synthetic	5W-40	EU
CHEVRON	Chevron Supreme Synthetic	5W-40	USA, EU, FSU
ChevronTexaco Global Lubricant Solutions	Havoline Synthetic	5W-40	EU
	Havoline Ultra	5W-40	EU
CONOCO	Jet Top Level B52 5W-40	5W-40	EU
	Syncon High Performance Synthetic Engine Oil	5W-40	EU
DEA (Deutsche Shell GmbH)	DEA Ultec SYN -T	0W-40	EU

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Manufacturer	Trade name	SAE class	Sales region
DE OLIEBRON B.V.	Tor Hypersynth	5W-40	EU, M-E
DEUTSCHE PENTOSIN-WERKE	PENTOSYNTH SAE 5W-40	5W-40	EU, N-A, S-A
	Pento High Performance	5W-40	WW
DUCKHAMS	Duckhams Q 5W-40 Fully Synthetic	5W-40	GB
EXXONMOBIL Corporation	Mobil 1 SAE 0W-40	0W-40	WW
	Mobil 1 SAE 5W-40	5W-40	WW
	Mobil Syst S	5W-40	WW
	Mobil 1 SAE 5W-50	5W-50	WW
	Esso Ultron 5W-40	5W-40	WW
	Motor Oil Plus 5W-40	5W-40	WW
FUCHS PETROLUB AG	Fuchs Titan Supersyn SL SAE 5W-40	5W-40	EU
GINUOVES	YORK 748 5W-40	5W-40	EU
GRUPA LOTOS SA	Lotos Syntetic SL/SJ/CD/CF SAE 5W-40	5W-40	PL, E-EU
	Lotos Dynamic SJ/CF SAE 0W-40	0W-40	PL, E-EU
GULF OIL International	Gulf Formula G 5W-40	5W-40	WW (except NA, E, P)
KENDALL MOTOR OIL	Kendall GT-1 Full Synthetic Motor Oil 5W-40	5W-40	N-A, S-A, EU, ASI
LUBRICANT OIL PLANT	Teboil Diamond	5W-40	EU, CIS, BS
LUBRICANTS COMPANY	76 Pure Synthetic Motor Oil	5W-40	N-A, S-A, EU, ASI
MEGUIN GmbH & Co. KG	megol Motorenöl Super Leichtlauf	5W-40	WW
	megol Ultra Performance Longlife	5W-40	WW
MOL	MOL DYNAMIC STAR	5W-40	EU, E-EU
MORRIS	Multilife	5W-40	GB
MOTOREX	MOTOREX XPERIENCE FS-X	5W-40	WW
MOTUL	8100 Ester E-Tech 0W-40	0W-40	WW
	Motul 6100 X-cess	5W-40	D
	Motul 8100 E-Tech	0W-40	WW
	Motul 8100 X-Tech	5W-40	WW
	Motul 8100 X-cess	5W-40	D
	Motul 8100 X-cess 5W-40	5W-40	WW
	Motul Synergie Ester +	0W-40	WW

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Manufacturer	Trade name	SAE class	Sales region
Müller Hubert Math. Handelsgesellschaft, Eschweiler (Startol)	SYNT-XL, SAE 5W-40	5W-40	EU
OOO NOVOKUIBYSHEVSK Plant of Oils and Additives	U-Tech System	0W-40	RUS, CIS
ÖLWERKE JULIUS SCHINDLER GmbH	Veritas Syntolube	5W-40	D
	Econo Veritas XL-HC	5W-40	D
OMV	Full-syn	0W-40	EU, ROC
PANOLIN	Indy SV	5W-40	WW
PENNZOIL - QUAKER STATE INTERNATIONAL	Pennzoil Synthetic European Formula	5W-40	USA
	Quaker State Full Synthetic European Formula	5W-40	USA
PETRO-OIL	Orlen Extra Synthetic SL/CF 5W-40	5W-40	EU, E-EU
PETRONAS DAGANGAN BERHAD	Syntium	5W-40	MAL, ASI
	Syntium 800	5W-40	MAL, ASI
	Syntium 900	5W-40	MAL, ASI
	Syntium 1000	5W-40	MAL, ASI
	Syntium 3000	5W-40	MAL, ASI
REPSOL YPF	Repsol Elite Competition	5W-40	WW
	YPF Elaion Full Performance	5W-40	WW
SHELL	Shell Helix Ultra	0W-40	WW
	Shell Helix Ultra	5W-40	WW
SHHENZHEN SANJIU	Gold Chief	5W-40	ASI
SINGAPORE PETROLEUM	SPC Syn Ace	5W-40	ASI
SPECTR-AUTO INDUSTRIAL GROUP	Spectr-Auto Polarm	0W-40	CIS
SRS SALZBERGEN	Wintershall Viva topsynth	5W-40	EU
STATOIL	LazerWay 5W-40	5W-40	S, N, BS, SF, IRL
TAMOIL	Sint Future Racing	5W-40	EU, ZA, ROC, C
TEBOIL	Diamond	5W-40	WW
TOTALFINA ELF	Fina Motronic RS 5W-40	5W-40	EU
	ELF Excellium LDX 5W-40	5W-40	WW
UNIL OPAL	Opaljet 24 S	5W-40	EU
UNICORN	Ultrasynt	5W-40	ASI

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Manufacturer	Trade name	SAE class	Sales region
UNITED OIL COMPANY PTE LTD	United 1 Fully Synthetic Engine Oil	5W-40	ASI
VALVOLINE	SynPro SAE 0W-40	0W-40	EU
	SynPower SAE 0W-40	0W-40	WW
	SynPower SAE 5W-40	5W-40	EU
	SynPower DX SAE 5W-40	5W-40	EU
	SynPro motor oil SAE 5W-40	5W-40	WW
VEEDOL	Veedol Special R Plus 5W-40	5W-40	WW
WAKO'S Chemical Company Limited	Wako's ex Synthe 5W-40	5W-40	J
WESTFALEN	Westfalen Gigatron 0W-40	0W-40	D
WOLF OIL CORPORATION	Wolf Masterlube Synflow DC	5W-40	EU
YACCO	VX 600	5W-40	WW
	VX 1000	5W-40	WW

Engine oils that are no longer currently approved, or no longer available:

AGIP	Agip Sint 2000 Evolution 0W-40
	Agip Sint 2000 Evolution 5W-40
	Agip Synthetic PC
CASTROL	Castrol Syntrol Extra
DEA	Viscobil Syntec
	Viscobil S1
	Kronolub S
DOLLBERGEN	Motor Gold Supertec
ENGEN PETROL	Protecta SL
EXXONMOBIL Corporation	Mobil 1 Tri-Synthetic Formula
	Mobil 1 Rally Formula
	Mobil Super
FEUT VERT	Feut Vert 100% Synthese
FUCHS	Fuchs Titan Supersyn
HUNOLD SCHMIERSTOFF GmbH	Eurolub Synt
IGOL	Igol Symbol Ceramic

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Engine oils that are no longer currently approved, or no longer available:

INA INDUSRTIJA NAFTE D.D.	Ina Millenium
LIQUI MOLY	Liqui Moly Synthoil Energy Liqui Moly Synthoil High Tech Liqui Moly Leichtlauf HD C7
MOL	Mol Dynamic Synt
MOTOREX	Motorex Evolution Motorex Select DX Gamaparts Motor Oil Gold-Synt
MOTUL	Motul Synergie Motul 6100 Synergie
OMV	Syn Com
PENNZOIL - QUAKER STATE	Pennzoil Performax
PETRO-OIL	Petro-Oil Extra
SLOVNAFT	Madit Prima
SRS SALZBERGEN	Wintershall Viva 1 synth Wintershall Viva 1 ecosynth
TEXACO	Havoline Synthetic
TOP LUPE	Ultra Gold
TOTALFINA ELF	Total Quartz 9000 Total Activa 9000 Fina First ELF Synthese ELF Excellia Gulf Formula S Gulf First 5W-50 Antar Isofluide Excellia Antar Excellia LDX
VALVOLINE	Durablend MXL
VIAL OIL	Vial Oil Consol Ultra

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Sales Region Codes: The respective sales region is also listed in order to clarify where the approved oils are available. The abbreviations stand for the following:

WW	Worldwide	F	France
EU	Europe	GB	Great Britain and Northern Ireland
E-EU	Eastern Europe	USA	United States of America
H	Hungary	M-A	Central America
I	Italy	N-A	North America
J	Japan	S-A	South America
MA	Morocco	ZA	South Africa
ASI	Asia	MAL	Malaysia
F-E	Far East	MEX	Mexico
M-E	Middle East	P	Portugal
CIS	Confederation of Independent States	PL	Poland
CDN	Canada	ROC	Taiwan
CH	Switzerland	RUS	Russia
CZ	Czech Republic	S	Sweden
D	Germany	BTS	Baltic Countries
E	Spain	FSU	Former Soviet Union
C	Cuba	AFR	Africa

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