

Overview of engine oils approved by Porsche

Vehicle Type: **Boxster**

Model Year: **as of '97 (V)**

Approval Status: January 1999

Concerns: **Overview of engine oils approved by Porsche.**

Information: The engine oils listed in this Technical Information on pages 3 to 13 and approved for the Boxster model can also be unrestrictedly used retroactively for all 4, 6 and 8 cylinder Porsche engines from model year 1973 onwards.

Explanations: **Oil quality and non-conventional basic oils:**

The properties of engine oils are essentially determined by the basic oil and the additives added to the oil.

Other additional positive properties can result through **non-conventional** basic oils (synthetic or hydrocrack oils) in the engine oil in comparison with oil with **conventionally** processed basic oil (mineral oil). **Non-conventional** basic oils are relatively similar with respect to performance, regardless of whether they were produced using the synthetic or hydrocrack process.

In our approval list ('Quality' column), the engine oils are identified as follows:

cp = basic oil produced conventionally - "conventional processing".
ncp = basic oil not produced conventionally - "non-conventional processing".
pnp = basic oil partly from oil not produced conventionally -
 "partially non-conventional processing".

Non-seasonal 'GL' light running oils:

These 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 - essentially only synthetic or hydrocrack oils - can be used without restriction as non-seasonal oils (i.e. for winter and summer).

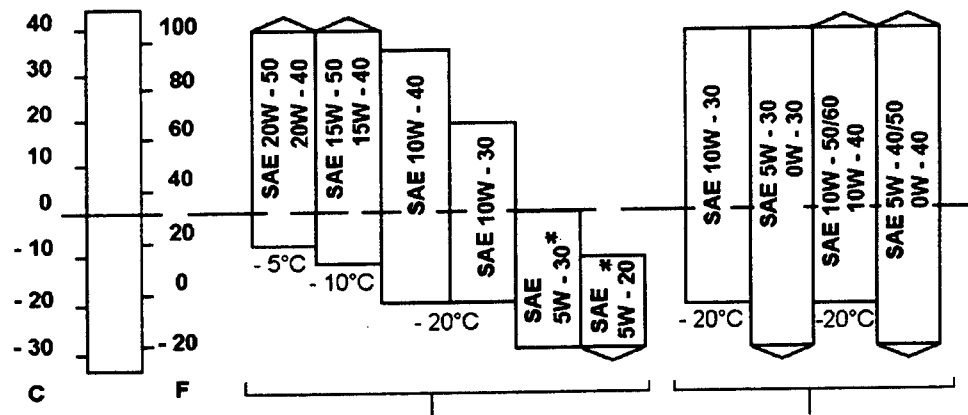
These oils also have good light running properties because of their small low-temperature viscosity and can therefore be referred to as non-seasonal light running oils (see approval list, 'Quality' column).

Oils which can be used as non-seasonal oil but which have no particular light running properties are identified with 'G'.

Viscosity and temperature ranges:

The current viscosity of an oil depends on the viscosity setting of the oil, identified through the SAE classes and the respective temperature. Engine oils with non-conventional basic oils as a base have superior viscosity properties for very large temperature ranges (see also 'Non-seasonal light running oils' point).

Some *multi-grade oils* with low viscosity levels are therefore only suitable for operation at constant very low external temperatures and as a result have a limited use only. These oils are only approved for special instances of application (see drawing below 'temperature ranges' - identification*.)

Temperature ranges of approved engine oils:**Temperature****Multi-grade oils**

(oils that have not been specially approved)

Non-seasonal light running oils

(synthetic or hydrocrack oils, specially approved oils)

*Multi-grade oils for arctic climate and temperatures and with limited use only.

Miscibility:

The engine oils approved by Porsche can be mixed with each other. This means that it is not necessary to flush the engine when the oil is changed if another type of oil is used. This also applies for the miscibility of 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 be necessary between oil change intervals if possible.

Overview of engine oils approved by Porsche:

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
ABU DHABI - United Arab Emirates				
Adnoc Pearl	10W - 40	pn	GL	UAE
ADDINOL - Germany				
Super Light MV 0546	5W - 40	nc	GL	EU
AGIP - Italy				
Sint 2000 GPX	10W - 40	pn	GL	EU
Sint Catalyst	10W - 40	pn	GL	EU
Extra HTS	5W - 40	nc	GL	EU
API - Italy				
Apilube Extra Sint	10W - 40	pn	GL	I
Apilube ENERGYSINT	5W - 40	nc	GL	I
ARAL - Germany				
Super Elastic	15W - 40	cp		WW
BasicTronic	10W - 40	nc	GL	WW
HighTronic	5W - 30	nc	GL	WW
HighTronic	5W - 40	nc	GL	WW
HighTronic	5W - 50	nc	G	WW
SuperTronic	0W - 40	nc	GL	WW
SuperSynth	0W - 40	nc	GL	Taiwan
SuperTronic Plus	0W - 40	nc	GL	Taiwan
SuperTronic	5W - 50	nc	G	Taiwan
MegaSynth	5W - 50	nc	G	Taiwan
AD-AUGROS - Germany				
Synt-Oil	5W - 40	nc	GL	D
Leichtlauf-Oil	10W - 40	pn	GL	D
Ingralub A-1 HQ	5W - 40	nc	GL	D
Ingralub A-2	10W - 40	pn	GL	D
AVIA - Germany				
SYNTH	5W - 40	nc	GL	D
Turbo CFE	10W - 40	nc	GL	D
BAYWA - Germany				
Turbo 4000	10W - 40	pn	GL	D
Racing category 3000 plus	10W - 40	pn	GL	D

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
BP - Germany				
Visco 5000	5W - 40	ncp	GL	WW
Visco 5000	10W - 40	ncp	GL	P; E; GB
Visco 7000	5W - 40	ncp	GL	WW
Veritas Syntolube	5W - 40	ncp	GL	EU
Veritas Syntolube	5W - 30	ncp	GL	EU
CALTEX - Great Britain				
Havoline Formula3 Fully Synthetic	5W - 40	ncp	GL	Aus; F; E; ZA; UAE
Havoline Formula3 Semi-Synthetic	10W - 40	pnp	GL	Aus; F; E; ZA; UAE
CASTROL - Great Britain				
Formula SLX	0W - 30	ncp	GL	WW
Formula RS	10W - 50	ncp	G	WW
Formula RS	10W - 60	ncp	G	WW
Formula RS Racing Syntec	10W - 60	ncp	G	WW
Formula LS Greentec	5W - 30	ncp	GL	D
Syntec	5W - 50	ncp	G	USA; CDN; MEX
Syntron Extra	5W - 60	ncp	G	Asi
TXT	5W - 30	pnp	GL	WW
TXT	5W - 40	pnp	GL	WW
TXT Softec Plus	5W - 30	pnp	GL	WW
TXT Softec Plus	5W - 40	pnp	GL	WW
GTX Magnatec	10W - 40	pnp	GL	GB
CEPSA - Spain				
Retto	5W - 40	ncp	GL	E
Retto G	10W - 40	pnp	GL	E
Star Retto Mega-Synthetic	5W - 40	ncp	GL	E
Star Retto Synthetic	10W - 40	pnp	GL	E
COFRAN - France				
Cofracing	5W - 50	ncp	G	F; B; E; HK
CONOCO - Germany				
Jet Top Level	5W - 30	ncp	GL	EU
DEA - Germany				
Garant X 1	10W - 40	pnp	GL	D
Viscobil SL	10W - 40	pnp	GL	D
Viscobil S1	5W - 40	ncp	GL	D
Ultec Syn-T	0W - 30	ncp	GL	D

Technical Information

Boxster
1/99 E 1701 **1**

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
DEUTSCHER BRENNSTOFFVERTRIEB "DBV"				
DBV-Vollsynthetik-Motorenöl	5W - 40	ncp	GL	D
DIVINOL - Germany				
Syntholight	5W - 40	ncp	GL	D
DOLLBERGEN - Germany				
Pannasol Leichtlauföl	10W - 40	pnp	GL	D
Motor Gold Supertec	5W - 40	ncp	GL	D
DUCKHAMS - Great Britain				
QS Motor Oil	5W - 40	ncp	GL	GB
ENGEN PETROL - South Africa				
One	10W - 40	ncp	GL	ZA
ELF - France				
Competition S	10W - 40	pnp	GL	WW
Competition ST	10W - 40	pnp	GL	EU
Synthese	5W - 40	ncp	GL	WW
Antar Isofluide Excellia	5W - 40	ncp	GL	F; MA
Antar Isofluide Synthia	10W - 40	pnp	GL	F; MA
Competition STI	10W - 40	pnp	GL	EU
EMKA - Germany				
Supersint FE	5W - 40	ncp	GL	D
ERG PETROLI - Italy				
Ergo Sinthron	10W - 40	pnp	GL	I
ERTOIL - Spain				
Supermultigrado Sintetico	10W - 40	pnp	GL	E
ESSO - Germany/GB/USA				
Motor Oil XL	10W - 40	pnp	GL	D
Super Oil	15W - 40	cp		EU
Ultron	5W - 40	ncp	GL	EU
Superoil Ultra XE 2	10W - 40	pnp	GL	M-A; S-A
Maxxoil	15W - 40	cp		M-A; S-A
Ultra Oil	10W - 40	pnp	GL	B; NL; L; N
Superlube EX-2	10W - 40	pnp	GL	D
Ultraflo	10W - 40	pnp	GL	F; J; Asi
Tech-Racing	10W - 40	pnp	GL	J
Uno Oil GX-5	10W - 40	pnp	GL	J
Castle Euaro	10W - 40	pnp	GL	J

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
EUROL - Austria Integral SXT	5W - 50	ncp	G	EU
EXXON - USA Superflo Supreme Special	15W - 40	cp		USA
FIAT LUBRIFICANTE - Italy Selenia	10W - 40	pnf	GL	EU
FINA Europe First	5W - 40	ncp	GL	EU
First	5W - 50	ncp	G	EU
Excel	10W - 40	pnf	GL	EU
FUCHS - Germany Titan Supersyn	5W - 40	ncp	GL	D
Titan Supersyn	5W - 50	ncp	G	D
Titan Supersyn SL	5W - 30	ncp	GL	EU
Titan Carat MC	10W - 40	pnf	GL	EU
GINUOVES - France York 748	5W - 40	ncp	GL	F
GLOBUS - Germany Multilub Synth	5W - 40	ncp	GL	D
Gulf Oil - International Formula G	5W - 40	ncp	GL	F-E; SA; M-A; EU
TEC	10W - 40	pnf	GL	F-E; SA; M-A; EU
HAFA - France Mach 2	10W - 40	pnf	GL	F
Euromax	5W - 40	pnf	GL	F
IDEMITSU - Japan Apolloil Best of the Best	5W - 50	ncp	G	J; USA; EU; F-E
Zepro Racing SJ	5W - 40	ncp	GL	J
IGOL - France Rallye ZS Turbo MBV	10W - 40	pnf	GL	EU; J
Symbol Ceramic	5W - 40	ncp	GL	EU; J
ITALIANA PETROLI - Italy IP Max	5W - 40	ncp	GL	I
Sintiax Motor Oil	10W - 40	pnf	GL	I

Technical Information

Boxster
1/99 E 1701 **1**

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
JB GERMAN OIL - Germany Super F1 Vollsynthese	5W - 40	ncp	GL	D
JOMO - Japan GP-R GP-R	5W - 40 10W - 50	ncp ncp	GL G	J J
KARSTADT - Germany Mach 1	5W - 40	ncp	GL	D
KUWAIT PETROLEUM - Holland Q8 Formular Super Q8 Formula Top Q8 Formula Advanced Q8 Formula Extra Plus Q8 Formula Super Plus Q8 Formula Super Advanced Q8 Formula Excel Q8 Formula Avanceret Q8 Formula F1	10W - 40 10W - 40 10W - 40 10W - 40 5W - 40 5W - 40 5W - 40 5W - 40 10W - 50	pnp pnp pnp pnp ncp ncp ncp ncp ncp	GL GL GL GL GL GL GL GL G	EU I GB D; SC SC; D GB EU DK DK
LABO IND. - France Syntha	5W - 40	ncp	GL	F
LEPRINCE - Germany Leprinxol 500 LS	10W - 40	pnp	GL	D
LIQUI MOLY - Germany Synthoil High Tech Voll-Synthese LM Profi Synthoil	5W - 40 5W - 40 5W - 30	ncp ncp ncp	GL GL GL	WW USA WW
LUGOIL - Russia Synthetic	5W - 40	ncp	GL	SU
MAURAN - France Inter "Rac XH 2.000"	5W - 40	ncp	GL	F
MEGUIN - Germany Megol Super Leichtlauf Megol Super Leichtlauf Megol Super Leichtlauf Megol Super Leichtlauf RUNNER CARTECHNIC vollsynth. Leichtlauföl CARTEC SynTec	5W - 40 5W - 50 10W - 40 5W - 30 5W - 40 5W - 40	ncp ncp pnp ncp ncp ncp	GL G GL GL GL GL	EU; SU EU EU EU; SU D D

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
MINERALÖL-HANDELSGES. "MHG" - Germany				
Syntolube	5W - 40	ncp	GL	D
MILLERS OILS - Great Britain				
XFS Synthetic Oil	5W - 40	ncp	GL	GB
MOBIL - Europe/USA				
Super	15W - 40	cp	GL	WW
Super	10W - 40	pnf	GL	WW
Mobil 1	0W - 40	ncp	GL	EU
Mobil 1	5W - 30	ncp	GL	EU
Mobil 1	10W - 30	ncp	GL	WW
Mobil 1	10W - 40	ncp	GL	WW
Mobil 1	15W - 50	ncp		WW
Mobil 1	5W - 40	ncp	GL	WW
Mobil 1	5W - 50	ncp	G	WW
MOGUL KORAMO - Czech Republic				
Forte Racing	5W - 40	ncp	GL	CZ
Forte Racing Pro	5W - 40	ncp	GL	CZ
MOL - Hungary				
Carrier Maximol Sint	5W - 40	ncp	GL	H
Carrier Maximol Sint	5W - 50	ncp	G	H
MORRIS - Great Britain				
Multilife	5W - 40	ncp	GL	GB
Multivis	10W - 40	pnf	GL	GB
MOTOREX - Switzerland				
Starsynt	5W - 50	ncp	G	CH
MOTUL - France				
Synergie	5W - 40	ncp	GL	F
6100 Synergie	5W - 40	ncp	GL	WW
6100 Synergie	10W - 40	pnf	GL	WW
NIS OIL REFINERY - Yugoslavia				
Galax Racing	5W - 40	ncp	GL	YU
OEST - Germany				
Eta Synthetik	5W - 40	ncp	GL	EU

Technical Information

Boxster
1/99 E 1701 **1**

Manufacturer Oil designation	Viscosity SAE	Quality	Sales area
DE OLIEBRON - Holland			
Tor Multisynth	10W - 40	ncp GL	NL
Tor Supersynth SH	5W - 40	ncp GL	NL
OMV - Austria			
Full-Syn	5W - 40	ncp GL	EU
PARNAS - Greece			
Synthesis 540	5W - 40	ncp GL	GR; IL; ME; F-E
PLAMA PLEVEN - Bulgaria			
Gerina Ultra Super	5W - 40	ncp GL	BG
PANOLIN - Switzerland			
Daytona	10W - 40	pnf GL	CH
Indy	10W - 40	pnf GL	CH
PENNZOIL - Holland			
Ultra Turbo semy synthetic	10W - 40	pnf GL	EU
PERFORMAX Full Synthetic Motor Oil	5W - 40	ncp GL	EU
0-40 Motoren Öl	0W - 40	ncp GL	EU
PENTOSIN - Germany			
Pentosynth	5W - 40	ncp GL	EU
Pentosynth	5W - 50	ncp G	EU
PETROGAL - Portugal			
Galp Formula 1 Plus	5W - 40	ncp GL	P
PETRONAS DAGANGAN BERHARD - Malaysia			
Syntium	5W - 40	ncp GL	MAL; ASI
PRISTA OIL - Bulgaria			
Ultra	5W - 40	ncp GL	BG
QUAKERSTATE - Mexico			
QS Synquest	5W - 40	ncp GL	MEX
RAFINERIA CZECHOWICE - Poland			
Grand Delta	5W - 40	ncp GL	PL
RAFINERIA GDANSKA - Poland			
Lotos Syntetic	5W - 40	ncp GL	PL
RAFINERIA TRZEBINIA - Poland			
Aquila Extra Syntetic	5W - 40	ncp GL	PL

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
REPSOL - Spain				
Competicion	5W - 40	ncp	GL	E; P; F
Elite Competicion	5W - 40	ncp	GL	E; P; F
ROCK OIL - Great Britain				
Synthesis 4	5W - 50	ncp	G	GB
ROLOIL - Italy				
Podium	5W - 40	ncp	GL	I
Supersynthetic	10W - 40	pnf	GL	I
ROLWAY - France				
Turbo Plus	15W - 50	pnf		F
SAEL - Spain				
Gulf Super S	10W - 40	pnf	GL	E; P
Gulf Formular S	5W - 40	ncp	GL	E; P
SASOL - South Africa				
Super Syn	5W - 40	ncp	GL	ZA
SERVO DELDEN - Holland				
Anderol 900	5W - 40	ncp	GL	NL
SHELL - Deutsche Shell AG				
Helix Ultra	5W - 30	ncp	GL	D
SHELL - International				
Helix Ultra	5W - 30	ncp	GL	WW
Helix Ultra	5W - 40	ncp	GL	WW
SILVER - Spain				
Staroil F1 SS	15W - 50	pnf		E
SLOVNAFT - Slovakian Republic				
Madit Prima	5W - 40	ncp	GL	Eastern EU
SOPROGRASA - Spain				
Sopral Jarama	5W - 50	pnf		E
SPC SINGAPORE PETROLEUM COMPANY				
SPC Syn Ace	5W - 40	ncp	GL	F-E

Technical Information

Boxster
1/99 E 1701 **1**

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
SRS SALZBERGEN - Germany				
Wintershall Primalub Alpha	10W - 40	pn	GL	EU
Wintershall Viva 1	10W - 40	pn	GL	EU
Wintershall Viva 1 synth	5W - 40	nc	GL	EU
Wintershall Viva 1 energy	5W - 30	nc	GL	EU
STATOIL - Sweden				
Lazier Way	5W - 40	nc	GL	S
Lazer Way	5W - 30	nc	GL	S
Racing Way	25W - 50	pn		S
SUN OIL - Belgium				
Sunoco Futura	10W - 40	pn	GL	WW (not USA/CDN/J)
Sunoco Synturo Gold	5W - 40	nc	GL	WW
SUOMEN PETROOLI - Finland				
Teboil Diamond	5W - 40	nc	GL	FIN
TAMOIL - Italy				
Sint Formula	10W - 40	pn	GL	I
Sint Future Racing	5W - 40	nc	GL	EU
Sint Future KW	10W - 40	pn	GL	EU
TEDEX - Germany				
Synthetic Motor Oil	5W - 40	nc	GL	Eastern EU
TETROSYL - Great Britain				
Carlube Ultragrade F	5W - 50	nc	G	GB
TEXACO - Belgium				
Havoline Formula3 X1 Extra	10W - 40	pn	GL	EU
Havoline Formula3 X1 Extra	15W - 50	pn		EU
Havoline Formula3 Synthetic	5W - 40	nc	GL	EU
TOTAL - France				
quartz	10W - 40	pn	GL	EU
quartz	15W - 50	pn		EU
quartz 9000	5W - 40	nc	GL	WW (not F)
quartz 9000	10W - 50	nc	G	WW (not F)
Activa 9000	10W - 50	nc	G	F
Activa 9000	5W - 40	nc	GL	F

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
TREXX OIL - Holland				
Trexx Oil S	5W - 40	pn	GL	NL
Trexx Oil SEMI OS	10W - 40	pn	GL	NL
TUNAP - Germany				
Super Economy	10W - 40	pn	GL	D
UNIL - Germany				
Melia LS	10W - 40	pn	GL	EU; MA
Synth	5W - 40	nc	GL	EU; MA
UNIL OPAL - France				
Opaljet 16S	10W - 40	nc	GL	F
Opaljet 24S	5W - 40	nc	GL	F
UNICORN - Singapore				
Ultrasynth	5W - 40	nc	GL	F-E
USOCO - Belgium				
Synlub 100	5W - 40	nc	GL	B; NL; LX
VAPS - Germany				
Vaps Oil LL 1040	10W - 40	pn	GL	D
Vaps Oil Syn 540	5W - 40	nc	GL	D
VALVOLINE - Holland				
XLD	15W - 50	cp		WW
Syn Gard	10W - 40	pn	GL	EU
Syn Gard	5W - 40	pn	GL	EU
Syn Power	5W - 40	nc	GL	EU
Syn Power	5W - 50	nc	G	EU
Top Gard	5W - 40	pn	GL	EU
Top Gard	10W - 40	pn	GL	EU
Techno SuperSyn	5W - 40	nc	GL	D
ProBlend 3000	10W - 40	pn	GL	D
ProBlend 4000	5W - 40	nc	GL	D
PARNAS Extrasyn-4	10W - 40	pn	GL	GR
VALVOLINE - USA				
High Performance Synthetic	5W - 30	nc	GL	USA
VEBAOEL - Germany				
Virada Top	5W - 40	nc	GL	D

Technical Information

Boxster
1/99 E 1701

1

Manufacturer Oil designation	Viscosity SAE	Quality		Sales area
VEEDOL - International				
Synthron	0W - 30	ncp	GL	WW
Synthetic Z	10W - 50	ncp	G	WW
Synthetic Z	10W - 60	ncp	G	WW
Powertron	5W - 30	pnf	GL	WW
Spezial R Plus	5W - 40	pnf	GL	WW
WERNER & MERTZ - Germany				
Rex Racing Synth	5W - 40	ncp	GL	D
WESTFALEN - Germany				
Megatron	5W - 40	ncp	GL	D
WOLF - Belgium				
Masterlube GTS	10W - 40	pnf	GL	EU
Masterlube Synflow Plus	5W - 40	ncp	GL	EU
YACCO - France				
VX 1000	5W - 40	ncp	GL	WW
VX 500	10W - 40	pnf	GL	WW
Galaxie 1000	5W - 40	ncp	GL	WW
YPF S.A. - Argentina				
Elaion Sinteetico	5W - 40	ncp	GL	S-A
YUKONG - Korea				
ZIP TOP	5W - 40	ncp	GL	ROK
ZIP TOP	5W - 50	ncp	G	ROK

Sales

Areas:

More and more high-quality engine oils tested and approved by Porsche are becoming available world-wide. The respective sales area is also listed in order to clarify where these oils are available. The abbreviations stand for the following:

WW	world-wide	F	France
EU	Europe	FIN	Finland
USA	United States of America	GB	Great Britain and Northern Ireland
M-A	Central America	GR	Greece
N-A	North America	H	Hungary
S-A	South America	HK	Hong Kong
ASI	Asia	I	Italy
F-E	Far East	J	Japan
SC	Scandinavia	L	Luxembourg
SU	Soviet Union (former)	MA	Morocco
UAE	United Arab Emirates	MAL	Malaysia
A	Austria	MEX	Mexico
AUS	Australia	N	Norway
B	Belgium	NL	Holland
BG	Bulgaria	P	Portugal
CDN	Canada	PL	Poland
CH	Switzerland	RA	Argentina
CZ	Czech Republic	ROK	Republic of Korea
D	Germany	S	Sweden
DOM	Dominican Republic	YU	Yugoslavia
E	Spain	ZA	South Africa