

Engine Oils Approved by Porsche

Binder - Service Technical Bulletins
 This bulletin replaces bulletin Group 1, #0301, dated 2-28-03.

- Vehicle Type: **Porsche vehicles 1973 - 1998: 911/T, 914, 930, 924/S/T, 928/S/S4/GT, 944/S/T, 964, 968, and 993**
- Model Year: **1973-1998**
- Concern: **Engine oils approved by Porsche**
- Filing: **Remove bulletin Group 1, #0301, dated 2-28-03 from the *Service Technical Bulletin* binder and file this bulletin.**
- Information: Beginning January 24th, 2001, all Porsche vehicle are now factory filled with 0W-40 Mobil 1 engine oil. The engine oils listed in this Technical Information are approved for all 1973-1998 Porsche models.

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 and Non-Conventional Basic Oils:**

The basic oil and the additives added to it essentially determine the properties of engine oil. Non-conventional basic oils (synthetic or hydrocrack) have more favorable properties as compared to conventional oils (mineral oil). Non-conventional oils are relatively similar with respect to performance, regardless of whether they were produced using the synthetic or hydrocrack process.

In our approved oil list (Type column), the engine oils are identified as follows:

- ncp** = basic oil not produced conventionally – “non-conventional processing” (synthetic or hydrocrack).
- pnp** = basic oil with “partially non-conventional processing” (synthetic blend).
- cp** = basic oil produced conventionally – “conventional processing” (mineral oil). (Engine oil of this quality is no longer approved for Porsche vehicles)

Explanations:
(cont'd)

Non-Seasonal 'GL' Light Running Oils:

GL oils have good light running properties because of their light low-temperature viscosity as well as a high level of temperature stability. They have a particularly low tendency to evaporate at high temperatures due to their composition. The oils, that meet such high performance requirements, essentially synthetic or hydrocrack oils, can be used without restriction as non-seasonal oils (see approval list, "Type" column).

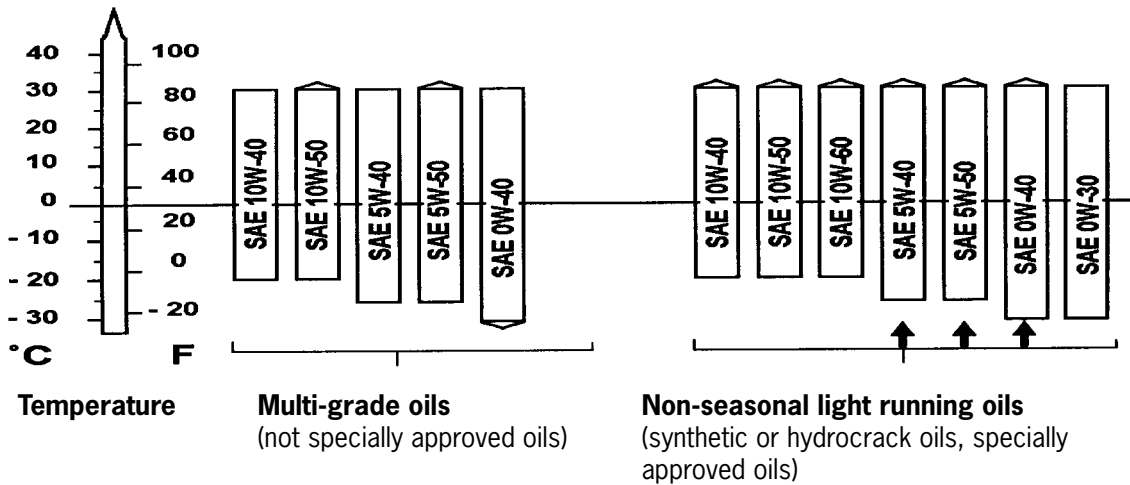
Non-Seasonal 'G' Oils:

"G" oils can be used as non-seasonal oil, but do not have the same light running properties as "GL" oils

Viscosity and Temperature Ranges:

The viscosity of oil depends on the viscosity setting of the oil, identified through the SAE classes and the respective temperature. Engine oils in SAE category 5W-40 or 5W-50 can be used at temperatures down to -25°C (-13°F). Oils of viscosity class 0W-40 can be used at lower temperatures as well.

Temperature ranges of approved engine oils:



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	Viscosity (SAE)	Quality	Sales Region See Page 8 for Codes
ABU DHABI NAT. OIL Co			
Adnoc Pearl	5W-40	ncp GL	M-E
Adnoc Image	5W-40	ncp GL	M-E
ADDINOL			
Addinol Super Light MV 046	0W-40	ncp GL	EU
Addinol Ultra Light MV 0546	5W-40	ncp GL	EU
Addinol High Star	5W-40	ncp GL	EU
AGIP			
Agip Tecshint	0W-40	ncp GL	WW
Agip Tecshint	5W-40	ncp GL	WW
Agip Sint 2000 Evolution	0W-40	ncp GL	WW
Agip Sint 2000 Evolution	5W-40	ncp GL	WW
Agip Extra HTS	5W-40	ncp GL	WW
Agip Synthetic PC	5W-40	ncp GL	USA; CDN
ARAL			
Aral Super Tronic	0W-40	ncp GL	WW
Aral Super Synth	0W-40	ncp GL	ROC
Aral High Tronic	5W-40	ncp GL	WW
BP			
BP Visco 5000	5W-40	ncp GL	WW
BP Visco 7000	0W-40	ncp GL	WW
BP Visco 7000 Sport	5W-40	ncp GL	WW
BP Visco 7000 Sport	5W-50	ncp GL	WW
BP Visco 5000 Turbo Diesel	5W-40	ncp GL	WW
CASTROL			
Castrol Formula RS Power and Protection	0W-40	ncp GL	WW
Castrol Formula RS Race and Track	5W-40	ncp GL	WW
Castrol TXT Softec	5W-40	ncp GL	WW
Castrol GTX7 Dyntatec 5W-40	5W-40	ncp GL	WW
Castrol Performance	5W-40	ncp GL	WW
Castrol Syntec 5W-50	5W-50	ncp G	USA; CDN; MEX
Castrol Syntec 5W-40	5W-40	ncp GL	WW
Castrol Syntrol Extra	5W-50	ncp G	ASI
CEPSA LUBRICANTES			
Cepsa Star Mega Synthetic	5W-40	ncp GL	E
CHEVRON			
Chevron Supreme Synthetic	5W-40	ncp GL	EU
CONOCO			
Jet Top Level 5W-40	5W-40	ncp GL	EU

Manufacturer Trade Name	Viscosity (SAE)	Quality	Sales Region See Page 8 for Codes
DEA Mineraloel AG			
DEA Viscobil Syntec	0W-40	ncp GL	EU
DEA Viscobil S1	5W-40	ncp GL	EU
DEA Kronolub S	5W-40	pnp GL	EU
DOLLBERGEN			
Motor Gold Supertec	5W-40	ncp GL	D
DUCKHAMS			
QS Motor Oil	5W-40	ncp GL	GB
Q 5W-40 Fully Synthetic	5W-40	ncp GL	GB
ENGEN PETROL			
Engen Protecta SL	5W-40	ncp GL	ZA
EXXON MOBIL CORPORATION			
Mobil 1	0W-40	ncp GL	WW
Mobil 1	5W-40	ncp GL	WW
Mobil 1	5W-50	ncp GL	WW
Mobil 1 Tri-Synthetic Formula	0W-40	ncp GL	WW
Mobil 1 Rally Formula	5W-50	ncp GL	WW
Mobil Syst S	5W-40	ncp GL	WW
Mobil Super	10W-40	pnp GL	WW
Esso Ultron	5W-40	ncp GL	EU
FEUT VERT			
Feut Vert 100% Synthese 5W-40	5W-40	ncp GL	F
FUCHS PETROLUB AG			
Fuchs Titan Supersyn SL	5W-40	ncp GL	WW
Fuchs Titan Supersyn	5W-40	ncp GL	WW
GINUOVES			
Ginuves York 748	5W-40	ncp GL	EU
GULF OIL International			
Gulf Formula G 5W-40	5W-40	ncp GL	F-E; S-A; M-A; EU
HUNOLD SCHMIERSTOFF GmbH			
Eurolub Synt	5W-40	pnp GL	F
IGOL			
Igol Symbol Ceramic	5W-40	ncp GL	EU; J
INA INDUSTRIJA NAFTE D.D. ZAGREB			
Ina Millennium	5W-40	ncp GL	EU
KENDALL MOTOR OIL			
Kendall GT-1 Full Synthetic Motor Oil	5W-40	ncp GL	N-A; S-A; EU; ASI

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Manufacturer Trade Name	Viscosity (SAE)	Quality	Sales Region See Page 8 for Codes
LIQUI MOLY			
Liqui Moly Synthoil Energy	0W-40	ncp GL	WW
Liqui Moly Synthoil High Tech	5W-40	ncp GL	WW
Liqui Moly Leichtlauf HD C7	5W-40	ncp GL	WW
LUBRICANT OIL PLANT			
Teboil Diamond	5W-40	ncp GL	WW
LUBRICANTS COMPANY			
76 Pure Synthetic	5W-40	ncp GL	WW
76 Pure Synthetic Motor Oil	5W-40	ncp GL	N-A; S-A; EU; ASI
MEGUIN			
Megol Super Leichtlauf	5W-40	ncp GL	WW
Megol Ultra Performance Longlife	5W-40	ncp GL	WW
MOL			
Mol Dynamic Synt	5W-40	ncp GL	H
MORRIS			
Multilife	5W-40	ncp GL	GB
MOTOREX			
Motorex Evolution	0W-40	ncp GL	EU
Motorex Evolution	5W-40	ncp GL	EU
Motorex Select DX	5W-40	ncp GL	EU
Gamaparts Motor Oil Gold-Synt	5W-40	ncp GL	EU
MOTUL			
Motul 8100 Ester E-Tech	0W-40	ncp GL	WW
Motul 8100 Ester E-Tech 0W-40	0W-40	ncp GL	WW
Motul 8100 Ester E-Tech	5W-40	ncp GL	WW
Motul Synergie 5W-40	5W-40	ncp GL	WW
Motul 6100 Synergie 5W-40	5W-40	ncp GL	WW
Motul 6100 Synergie	5W-40	ncp GL	WW
Motul Synergie	5W-40	ncp GL	WW
ÖLWERKE JULIUS SCHINDLER GmbH			
Veritas Syntolube	5W-40	ncp GL	D
OMV			
Full-syn	0W-40	ncp GL	EU
Syn com	5W-40	ncp GL	EU
PANOLIN			
Panolin Indy SV	5W-40	ncp GL	CH
PENNZOIL - QUAKER STATE			
Pennzol Performax	5W-40	ncp GL	WW
Pennzol Synthetic European Formula	5W-40	ncp GL	WW
Quaker State Full Synthetic European Formula	5W-40	ncp GL	WW

Manufacturer Trade Name	Viscosity (SAE)	Quality	Sales Region See Page 8 for Codes
PETROGAL Galp Formula 1 Plus	5W-40	ncp GL	P
PETRO-OIL – Hungary Petro-Oil Extra Orlen Extra Synthetic SL/CF 5W/40	5W-40 5W-40	ncp GL ncp GL	H; CZ; Ukraine; RUS EU
PETRONAS DAGANGAN BERHAD Petronas Syntium Petronas Syntium 800 Petronas Syntium 900 Petronas Syntium 1000 Petronas Syntium 3000	5W-40 5W-40 5W-40 5W-40 5W-40	ncp GL ncp GL ncp GL ncp GL ncp GL	MAL; ASI MAL; ASI MAL; ASI; ZA MAL; ASI MAL; ASI
RAFINERIA GDANSKA Lotos Dynamic Lotos Syntetic SL/SJ/CD/CF	0W-40 5W-40	ncp GL ncp GL	PL PL
REPSOL YPF Repsol Elite Competicion Repsol Ellaion Full Performance	5W-40 5W-40	ncp GL ncp GL	WW WW
SHELL Shell Helix Ultra Shell Helix Ultra	0W-40 5W-40	ncp GL ncp GL	WW WW
SHENZHEN SANJIU Gold Chief	5W-40	ncp GL	WW
SINGAPORE PETROLEUM SPC Syn Ace	5W-40	ncp GL	F-E
SLOVNAFT Madtit Prima	5W-40	ncp GL	East-EU
SRS SALZBERGEN Wintershall Viva 1 ecosynth Wintershall Viva 1 synth Wintershall Viva 1 topsynth	0W-40 5W-40 5W-40	ncp GL ncp GL ncp GL	EU EU EU
STATOIL - Sweden Statoil Lazer Way	5W-40	ncp GL	S
TAMOIL Sint Future Racing	5W-40	ncp GL	EU
TEBOIL Teboil Diamond	5W-40	ncp GL	WW
TEXACO Texaco Havoline Synthetic	5W-40	ncp GL	EU

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Manufacturer Trade Name	Viscosity (SAE)	Quality	Sales Region See Page 8 for Codes
TOP LUPE - International			
Ultra Gold 5W/40 API SL	5W-40	ncp GL	WW
TOTALFINAELF LUBRIFIANTS S.A.			
Total Quartz 9000	5W-40	ncp GL	WW (not F)
Total Activa 9000	5W-40	ncp GL	F
Fina Motortonic RS	5W-40	ncp G	EU
Fina First	5W-40	ncp G	EU
Fina First	5W-50	ncp G	EU
Elf Synthese	0W-40	ncp GL	WW
Elf Synthese	5W-40	ncp GL	WW
Elf Excellia	0W-40	ncp GL	WW
Elf Excellium LDX	0W-40	ncp GL	WW
Elf Excellium LDX	5W-40	ncp GL	WW
Gulf Formula S	5W-40	ncp G	WW
Gulf First 5W-50	5W-50	ncp G	WW
Antar Isofluide Excellia	5W-40	ncp GL	F; MA
Antar Excellia LDX	5W-40	pnp GL	WW
UNIL OPAL			
Opaljet 24S	5W-40	ncp GL	F
UNICORN			
Unicorn Ultrasynt	5W-40	ncp GL	F-E
UNITED OIL COMPANY PTE LTD			
United 1 Fully Synthetic Engine Oil	5W-40	ncp GL	ASI
VALVOLINE			
Valvoline Syn Pro	0W-40	ncp GL	EU
Valvoline Syn Power	0W-40	ncp GL	EU
Valvoline Syn Power	5W-40	ncp GL	EU
Valvoline SynPro Motor Oil	5W-40	pnp GL	EU
Valvoline Durablend MXL	5W-40	pnp GL	EU
VEEDOL			
Veedol Special R Plus 5W-40	5W-40	ncp GL	WW
VIAL OIL			
Vial Oil Consol Ultra	0W-40	ncp GL	RUS; GUS
WAKO'S Cemical Company Limited			
Wako's ex Synthe	5W-40	ncp GL	J
WESTFALEN			
Westfalen Gigatron	0W-40	ncp GL	D

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 |
| 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 |
| ASI Asia | MAL Malaysia |
| F-E Far East | MEX Mexico |
| M-E Middle East | P Portugal |
| GUS Confederation of Independent States | PL Poland |
| CDN Canada | ROC Taiwan |
| CH Switzerland | RUS Russia |
| CZ Czech Republic | S Sweden |
| D Germany | ZA South Africa |
| E Spain | |

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