

## API Engine Oil Service Category Chart

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Owners should refer to their owners manuals, as engine oils are categorized based on intended use.

<b><u>Gasoline Engines</u></b>		
Category	Status	Service
SL	Current	For model year 2001 and older automotive engines presently in use.
SJ	Current	For model year 1997 and older automotive engines
SH	Obsolete	For model year 1996 and older engines
SG	Obsolete	For model year 1993 and older engines.
SF	Obsolete	For model year 1988 and older engines.
SE	Obsolete	For model year 1979 and older engines
SD	Obsolete	For model year 1971 and older engines.
SC	Obsolete	For model year 1967 and older engines.
SB	Obsolete	For older engines. Use only when specifically recommended by the manufacturer.
SA	Obsolete	For older engines; no performance requirement. Use only when specifically recommended by the manufacturer.

**Note :** API has intentionally omitted "SI" and "SK" from the sequence of categories because the letters are commonly used to refer to other organizations or systems.

<b><u>Diesel Engines</u></b>		
Category	Status	Service
CI-4	Current	Introduced October, 2004. Meeting 2004 exhaust emissions standards. Superior in performance to API CH-4, CG-4 and CF-4 diesel engine oils.
CH-4	Current	Introduced December 1, 1998. Meeting 1998 exhaust emission standards. Can be used in place of CD, CE, CF-4 and CG-4 oils.
CG-4	Obsolete	Introduced in 1995. Meeting 1994 exhaust emission standards. Can be used in place of CD, CE and CF-4 oils.
CF-4	Obsolete	Introduced in 1990. For high-speed, four-stroke, naturally aspirated and turbocharged engines. Can be used in place of CE oils.
CF-2	Obsolete	Introduced in 1994. For severe duty, two-stroke engines. Can be used in place of CD-II oils.
CF	Obsolete	Introduced in 1994. For off-road, indirect-injected and other diesel engines. Can be used in place of CD oils.
CE	Obsolete	Introduced in 1987. For high-speed, four-stroke, naturally aspirated and turbocharged engines. Can be used in place of CC and CD oils.
CD-II	Obsolete	Introduced in 1987. For two-stroke engines.
CD	Obsolete	Introduced in 1955. For certain naturally aspirated and turbocharged engines.
CC	Obsolete	For engines introduced in 1961.
CB	Obsolete	For moderate-duty engines from 1949 to 1960.
CA	Obsolete	For light-duty engines (1940's and 1950's).

<b><u>Two-Cycle Engines</u></b>		
API		
	FORMER	OTHER
Present (SAE J2116)	FORMER	
TA	TSC-1	
TB (obsolete)	TSC-2	NMMA (BIA) TC-W (Two-Cycle: Water)
TC	TSC-3	NMMA TC-WII (Two-Cycle: Water 2nd revision)
TD (obsolete)	TSC-4	NMMA TC-W3 (Two-Cycle: Water 3rd revision)

*In 1993, JASO defined a specification that describes three quality levels: FA, FB and FC (Detergency, Lubricity, Exhaust Blocking and Smoke). The low smoke requirement is especially stringent for the FC performance category.*