

Caterpillar Piston Deposit Engines

Performance Parameters (API)	Year Introduced	Caterpillar Test	Piston Configuration	Injection	Fuel Sulfur (%)
CF	1994	1M-PC	Al	PC	0.50
CF-4	1990	1K	Al	DI	0.50
CG-4	1994	1N	Al	DI	0.05
CH-4	1998	1P,1K	Art-Steel/Al	DI	0.05
N/A (EGR)	N/A	1Q	Art-Steel/Al	DI	0.05
CI-4	2002	1R+(1K or 1N)	Art-Steel/Al	DI	0.05
ECF-2	2003	C-12	Art-Steel/Al	DI	0.05
PC-10	2006	C-13	Art-Steel/Al	DI	15 ppm

Rationalization of Caterpillar Piston Deposit Engines for PC-10/Old API Categories

Performance Parameters (API)	Test Length (hrs)	Load Factor (g/min Fuel Cons)	Caterpillar Test	Piston Configuration	Injection	Fuel Sulfur (%)
CF	240	135	1M-PC	Al	PC	0.50
CG-4	252	185	1N	Al	DI	0.50
CH-4	360	185	1P	Art-Steel/Al	DI	0.05

Note: If API CH-4 is retained then need 1P test

Caterpillar Piston Deposit Engines for PC-10

Performance Parameters	Test Length (hrs)	Load Factor (g/min Fuel Cons)	Caterpillar Test	Piston Configuration	Injection	Fuel Sulfur (%)
Based on 1 P engine	252	185	1S	Al	DI	0.50
			C-13	Art-Steel/Al	DI	15 ppm

Engine	Piston	Injection	Performance Parameters	Test Length (hrs)	Fuel Usage per Oil Drain Interval	Load Factor (g/min Fuel Cons)	E-Model
1M-PC	Al	PC	CF	240	70	135	
1K	Al	DI	CF-4	252	70	185	
1N	Al	DI	CG-4	252	80	185	
1P	Art-Steel	DI	CH-4	360	90	185	
1Q	Art-Steel	DI					
1R	Art-Steel	DI	CI-4	504	105	240	