



ENGINE TREATMENT INSTALLATION GUIDE

The following information and charts are guidelines and Instructions for treating/dosing internal combustion engines with the engine treatment, CealDoctor™.

First of all it is recommended that all engines to be treated with CealDoctor™. Whether large or small they should be firstly checked over for any serious mechanical faults, i.e., signs of broken piston rings, badly worn valve guides, leaking head gaskets.

If the engine has 200 hours, or 10,000 miles (16,000 klms), it definitely will be “worn” to some extent and will greatly benefit from CealDoctor™ treatment.

A high rate of wear in fact takes place in the first 500 miles (800-1,000 klms) and every time you start an engine the most wear takes place in that first 5-20 seconds because there is no oil on the cylinder walls at this time. It has drained off during the engine’s stationary period. One of the CealDoctor™ functions is to provide initial lubrication during that first 5-20 seconds or so.

Though CealDoctor™ is primarily an **ENGINE TREATMENT**, it also has the ability to provide lubrication before the engine oil gets to the piston and cylinder environment, greatly reducing this wear.

As a self-healing engine treatment, CealDoctor™ fills the “worn” areas of the piston rings and cylinders very quickly in a running engine, using CealDoctor’s unique properties and the temperature and pressure in these working areas.

Procedure for treating any internal combustion engines.

1. Ascertain engine is in unacceptable condition.
2. Ascertain from engine or vehicle Operator’s Manual the respective engine crankcase oil capacity.
3. Change crankcase oil and filter.
4. Check condition of air filter. Replace if dirty.
5. Check condition of fuel filter. Replace if contaminated.
6. Warm up the engine after changing engine oil for 5 minutes.
7. Turn engine off
8. Remove oil filler cap
9. Shake CealDoctor™ container before injecting into engine through oil filler
10. Replace oil filler cap
11. Start engine and let idle for 10-15 minutes, then drive vehicle or run engine normally.

IMPORTANT INFORMATION: AFTER INJECTION depending on the pre-existing engine condition, heavy and strange sound(s) may occur. These sounds are created through the normal healing processes. When healing process is complete, the engine will be stable and perform normally. The friction coefficient during the early healing process rises slightly from before injection, but decreases by as much as 18% while forming the lubricating membrane.

In order to assist you in selecting the correct amount of CealDoctor™ to add to your engine(s) we again advise you to initially determine the engine’s crankcase oil capacity.

There are hundreds of engine manufacturers with thousands of different engine models so the charts below indicate the correct amount of CealDoctor™ relative to the litre capacity of these engines. It is important to remember that:

- **Gasoline, LNG and Propane fuelled engines use the “G” series of CealDoctor™.**
- **Diesel and Diesel/LNG fuelled engines use the “D” series of CealDoctor™.** The “D” series products contain substantially more nano healing particles than the Gasoline “G” Series products.

The following four engine charts provide the dosages for U.S quart, U.K. quart and litre engine oil capacities:

Chart 1

Small Gasoline powered air or liquid cooled engines

including MOTORCYCLE engines.

Capacity in U.S Quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml	Capacity in U.K Quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml
1	1	CD100G *	1	1	CD100G *
1.5	2	CD100G *	1.5	2	CD100G *
2	2	CD100G *	2	2	CD100G *
2.5	3	CD200G	2.5	3	CD200G
3	3	CD200G	3	4	CD200G
3.5	4	CD200G	3.5	4	CD200G
4	4	CD200G	4	5	CD200G
4.5	4	CD200G	4.5	5	CD200G
5	5	CD200G	5	6	CD400G
5.5	5	CD400G	5.5	6	CD400G
6	6	CD400G	6	7	CD400G

The asterisk * signifies half of the CD200G container to be used. To achieve 100 ml remember to shake container well and measure out 100 ml (Keep remaining CealDoctor™ 100 ml for next treatment).

Chart 2

**Automotive & marine Gasoline, LNG or Propane
fuelled air or liquid cooled engines.**

Capacity in U.S. Quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml	Capacity in U.K. quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml
3	3	CD200G ml	3	4	CD200G ml
4	4	CD200G ml	4	5	CD400G ml
5	5	CD400G ml	5	6	CD400G ml
6	6	CD400G ml	6	7	CD400G ml
7	7	CD400G ml	7	8	CD400G ml
8	8	CD400G ml	8	9	CD400G ml + CD200G ml
9	9	CD400G ml	9	10	CD400G ml + CD200G ml
10	10	CD400G ml + CD200G ml	10	11	CD400G ml + CD200G ml

Chart 3

Diesel powered vehicles and equipment

Capacity in U.S. quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml	Capacity in U.K. quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml
3	3	CD200D ml	3	4	CD200D ml
4	4	CD200D ml	4	4	CD200D ml
5	5	CD200D ml	5	6	CD200D ml
6	6	CD200D ml	6	7	CD400D ml
7	7	CD400D ml	7	8	CD400D ml
8	8	CD400D ml	8	9	CD400D ml
9	9	CD400D ml	9	10	CD400D ml
10	10	CD400D ml	10	12	CD400D ml

11	10	CD400D ml	11	12	CD400D ml
12	11	CD400D ml	12	14	CD400D+ CD200D ml
13	12	CD400D ml	13	15	CD400D+ CD200D ml
14	13	CD400D ml	14	16	CD400D+ CD200D ml
15	14	CD400D+ CD200D ml	15	17	CD400D+ CD200D ml
16	15	CD400D+ CD200D ml	16	18	CD400D+ CD200D ml

Chart 4

Diesel powered marine engines, railway, power plants, generators,
compressors and other heavy equipment

Capacity in U.S. Quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml	Capacity in U.K. Quarts	Capacity Litres (rounded)	CealDoctor™ amount in ml
10	12	CD400D	10	12	CD400D
12	12	CD400D	12	14	CD400D + CD200D
15	16	CD400D + CD200D	15	17	CD400D + CD200D
20	20	CD800D	20	24	CD800D
25	24	CD800D	25	30	CD800D + CD200D
30	30	CD800D + CD200D	30	36	CD800D + CD400D
35	36	CD800D + CD400D	35	40	CD800D + CD400D + CD200D
40	36	CD800D + CD400D	40	48	CD800D + CD800D
45	42	CD800D + CD400D + CD200D	45	54	CD800D + CD800D + CD200D
50	48	CD800D + CD800D	50	60	CD800D + CD800D + CD400D
55	54	CD800D + CD800D + CD400D	55	64	CD800D + CD800D + CD400D
60	60	CD800D + CD800D + CD400D	60	72	CD800D + CD800D + CD800D