

Cerma STM-3™ ENGINE Treatment – Dosage Amounts and Directions

To achieve the maximum benefit from Cerma STM-3, please follow instructions carefully. If you have any concerns about the dosage or application procedure, please call Next-Gen Bio-ethics on 0421 499 100 or (02) 9686 6880.

Dosage – How Much Should I Use?

Newer vehicles require a smaller dosage. Please make note of how many kilometres are on your vehicle and adjust the dosage appropriately. After adding Cerma STM-3 Engine Treatment to the motor oil, automobiles should be driven for a minimum of 2500kms, pick-ups/trucks and semi-trucks for a minimum of 5000kms and motorcycles a minimum of 800 kms before changing out motor oil. This allows for the Cerma Engine Treatment to achieve its full cleaning capabilities.

Remember: The Longer the Better! For example, if scheduled oil change is every 5000kms, add Cerma as per instructions and drive for most of or all 5,000kms and not less than minimum recommended mileage before changing out to new motor oil.

Dosage Adjustment (Cerma STM-3 Engine Treatment)	Kilometres for Automobiles	Kilometres for Pick Ups/Trucks	Kilometres for Semi-Trucks	Kilometres for Motorcycles
Use Full (100%) of recommended dosage	48,000+	48,000+	480,000+	48,000+
Use 1/2 (50%) of recommended dosage	17,000 to 48,000	17,000 to 48,000	170,000 to 480,000	17,000 to 48,000
Use 1/4 (25%) of recommended dosage	New under 17,000	New under 17,000	New under 170,000	New under 17,000

Recommended Dosage - More Is Not Better!

Engine Type	Dosage
Petrol: 4 to 8 Cylinders (Automobile)*	2 oz (59ml) – Cerma Engine Treatment for Petrol Engines
Small Diesel: 1 to 2.8 Litres (Automobile)*	2 oz (59ml) – Cerma Engine Treatment for Diesel Engines
Small Diesel: 3 to 4.8 Litres (Automobile)*	4 oz (118ml) – Cerma Engine Treatment for Diesel Engines
Medium Diesel: 5 to 7.3 Litres (Pick-Ups/Trucks)*	6 oz (177ml) – Cerma Engine Treatment for Diesel Engines
Medium Diesel: 7.3 to 10 Litres (Pick-Ups/Trucks)*	10 oz (295ml) – Cerma Engine Treatment for Diesel Engines
Large Diesel: 10 to 15 Litres (Semi-Truck)*	12 oz (354ml) – Cerma Engine Treatment for Diesel Engines
Large Diesel: 15+ Litres (Semi-Truck or Other)*	Call or email for correct dosage (Next-Gen Bio-ethics: 0421 499 100)
Motorcycle: Less than 600 cc with 1 Oil Reserve	1 oz (29.5ml) to Engine Oil – Cerma Engine Treatment for Motorcycles
Motorcycle: More than 600 cc with 1 Oil Reserve	1.25 oz (37ml) to Engine Oil – Cerma Engine Treatment for Motorcycles
Motorcycle: Less than 600 cc with 2 Oil Reserves	3/4 oz (22ml) to Engine Oil and 1/4 oz (7.5ml) to Clutch - Cerma Engine Treatment for Motorcycles
Motorcycle: More than 600 cc with 2 Oil Reserves	1 oz (29.5ml) to Engine Oil and 1/4 oz (7.5ml) to Clutch - Cerma Engine Treatment for Motorcycles

* Also applies to commercial and industrial equipment of same engine capacity and fuel type – Please call Next-Gen with any questions.

Application Procedure

1. Warm engine to normal operating temperature and add recommended dosage to ENGINE OIL. Add Cerma STM-3 Engine Treatment while the engine is running. DO NOT add any to your fuel tank. If blow-by or pressurised oil system is present, shut off engine, add dosage amount, close cap and immediately restart engine.
2. Keep engine running and immediately after treatment is added, bring engine up to 1500-2000rpm and hold for 2 to 4 minutes. This will ensure that Cerma STM-3 Engine Treatment circulates throughout the engine.
3. Continue to run engine for no less than 30 minutes. The preferred method is to drive the vehicle for at least 40-50 kms (65 kms for trucks), **the longer the better!** As the oil is circulated, Cerma STM-3 treats the metal. As you drive, you may start to notice a decrease in noise and vibration - this is the Cerma doing its job!
4. Do not change oil for at least: 2500kms for automobiles (5000kms for pick-ups/trucks and semi-trucks, 800kms for motorcycles) after adding Cerma STM-3 Engine Treatment to motor oil. Otherwise you may change your oil at the manufacturer's recommended interval. **Note:** It takes approx. 90 days before the Cerma process is complete, e.g. a truck may travel 5000kms in one week, however it will still take approx. 90 days before the process is complete.

Please Note: Cerma STM-3® Engine Treatment is a “One Time” Treatment. If running NON Cerma Motor Oil when changing out oil at completion of Cerma Engine Treatment, additional maintenance dosages may be helpful after 120,000-240,000 kms (805,000 kms for semi-trucks) pending driving habits, conditions and vehicle.

Cerma STM-3 TREATMENTS - Dosage Amounts and Directions

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TRANSMISSION	Automobile	Pick-Up/Truck	Semi-Truck	Other
Cerma STM-3™ Transmission Treatment - Automatic or Manual	2 oz (59ml)	2 oz (59ml)	6 oz (177ml)	Please Call
One Step Application: Add recommended dosage to Transmission Fluid and drive for at least 10-15 minutes.				

POWER STEERING	Automobile	Pick-Up/Truck	Semi-Truck	Other
Cerma STM-3™ Power Steering Treatment	1 oz (29.5ml)	1 oz (29.5ml)	2 oz (59ml)	Please Call
One Step Application: Add recommended dosage to Power Steering Fluid and drive for at least 10-15 minutes.				

HYDRAULIC	Up to 2 Gallons (7.5 Litres)	Up to 5 Gallons (19 Litres)	Up to 20 Gallons (76 Litres)	20 Gallons + (76 Litres +)
Cerma STM-3™ Hydraulic Treatment	1 oz (29.5ml)	2 oz (59ml)	6 oz (177ml)	6oz for first 20 Gall. 1oz for each 20 Gall. thereafter
One Step Application: Add recommended dosage to Hydraulic Fluid and run for at least 10-15 minutes. For 76 Litres +: Add 6 oz (177ml) for first 76 litres plus 1oz (29.5ml) for each 76 Litres thereafter.				

GEAR – Axles & Differentials	Automobile	Pick-Up/Truck	Semi-Truck	Other
Cerma STM-3™ Gear Treatment	2 oz (59ml)	2 oz (59ml)	6 oz (177ml)	Please Call
One Step Application: Add required amount to Axle or Differential and drive for at least 10 to 15 minutes.				

GEAR HD – Industrial Equipment & Heavy Duty Gearboxes	Up To 30 Gallons (114 Litres)	30 Gallons + (114 Litres +)
Cerma STM-3™ Gear Treatment HD	6 oz (177ml)	6oz for first 30 gallons 1oz for each 30 gallons thereafter
One Step Application: Add recommended dosage to Gearbox and drive for at least 10-15 minutes. For 114 Litres +: Add 6 oz (177ml) for first 114 Litres and 1 oz (29.5ml) for each 114 Litres thereafter.		

Treatments Requiring Cerma STM-3 Engine Treatment Completion Prior To Use

TURBO NANO – Turbo, Motor Oil & Non-Ferrous Metal Treatment	Automobile	Pick-Up Truck	Semi-Truck	Other
Cerma STM-3™ Turbo Nano Treatment	2 oz (59ml)	2 oz (59ml)	6 oz (177ml)	Please Call

After adding Cerma Engine Treatment and driving for at least 2500kms (5000kms for Pick-Ups/Trucks), add ½ dose to **WARM** engine oil and drive for 10-15 minutes prior to shutting off engine. Drive at least another 800kms prior to changing your motor oil. If changing to **NON** Cerma Motor Oil, add remaining ½ dose to new motor oil. If changing to Cerma Motor Oil **DO NOT ADD REMAINDER. Alternatively, if changing out to NON Cerma Motor Oil:** If your oil change cycle is, e.g. every 5000kms: Add Cerma ENGINE TREATMENT as directed and drive for all or most of the 5000 kms and not less than recommended mileage. At oil change add ½ dose of TURBO NANO to new **WARM** engine oil and drive for 10-15 minutes prior to shutting off engine. Add the remaining ½ dose of TURBO NANO at next NON Cerma Motor Oil change.

Note: 'Turbo Nano' treats Turbo Engines, NON-Cerma Motor Oil and Non-Ferrous Metals such as Aluminium and Titanium.

VANOS	Automobile			
Cerma STM-3™ Vanos Treatment	1.25 oz (37ml)			

SHAKE WELL PRIOR TO USE. After adding Cerma Engine Treatment and after driving for at least 2500kms, SHAKE WELL, add entire contents to **WARM** engine oil and drive for 10-15 minutes prior to shutting off engine. Drive at least another 800kms prior to changing out motor oil.

Cerma STM-3 Treatments

Straight from the start you will see, hear and feel the difference after using Cerma Treatment products. By the time the Cerma process is complete (approx. 90 days), your engine will be at its peak performance, have that extra horsepower, run quieter and smoother, start to benefit from longer oil life and protection and increased fuel economy.

Cerma Treatments act quickly to restore, clean, lubricate and protect by using the oil/fluid as a carrier. All treatments are designed to release into the system over time (see specific instructions for drive times on each treatment). During this timed release, Cerma Treatments will restore, clean, lubricate and protect. All Cerma Treatments are “One Time” treatments, meaning if you start to restore your vehicle’s performance utilising a Cerma Treatment and you keep your vehicle at peak operating performance, it is unlikely that you will need to re-treat any system.

Please Note: Cerma STM-3 Treatments are “One Time” Treatments. If switching over to Cerma Motor Oils and Fluids, you do not need to add additional treatment as Cerma Oils include the Cerma STM-3 technology in their additive pack. If running on NON Cerma Oils and Fluids, additional maintenance dosages may be helpful pending mileage, e.g. 120,000-240,000kms (805,000kms for semi-trucks), driving habits, conditions and vehicle. Contact Next-Gen Bio-ethics if you feel your vehicle needs another boost.

Known Issues

Cerma STM-3 is intended to help your engine by impregnating a Silicon Carbide (SiC) coating into the metal. This provides a near perfect cylinder seal which increases compression. If you maintain your car/truck as prescribed by the manufacturer you should have no problems. If after treatment you notice a change for the better, then after around 250 kms you notice a slight misfire at idle or poor fuel mileage then chances are you have old/faulty spark plugs or wires and changing spark plugs and wires is sometimes required.

Replacing the fuel filter will also ensure proper pressure and fuel atomisation in the combustion chamber. You may notice a slight increase in engine temperature which is the result of higher compression, better combustion, and the heat transfer capabilities of Cerma STM-3 to the water jacket. Emission improvements will begin manifesting at approximately 160 kms and stabilise at approximately 500 kms as piston rings reseal on a ceramic base.

Warnings

DO NOT LET CERMA STM-3™ STAND WET ON PAINTED SURFACES. It will penetrate the paint and break the bonds at sub surface; metal to paint adhesion will be lost.

IMPORTANT: DO NOT ADD ENGINE TREATMENT AND TURBO NANO TREATMENT AT THE SAME TIME!

DO NOT ADD ENGINE TREATMENT AND VANOS TREATMENT AT THE SAME TIME!

DO NOT ADD CERMA TREATMENT AND RELEVANT CERMA OIL/FLUID AT THE SAME TIME!

Clean Up

Use soap and water. Cerma STM-3™ is water soluble, non-toxic and contains no voc’s (volatile organic compounds).

Facts

- Cerma STM-3™ Engine Treatment is a metal treatment and does not mix with or change the engine oil or its tolerances. The Engine Treatment treats ferrous metals, e.g. cast iron and stainless steel.
- Cerma ‘Turbo Nano’ is a true oil conditioner and will protect oil from breaking down and causing deposits or premature engine wear. This added treatment is particularly recommended for vehicles with Turbo engines as it also treats non-ferrous metals, e.g. aluminium and titanium.
- Cerma STM-3 products do not utilise wax, PTFE, solvents or oil thickeners.
- Cerma STM-3 products utilise a formulation of micron sized Silicon Carbide Molecules (SiC) called STM-3 (Surface Tension Modifiers 3rd Version).
- Did you know that Cerma STM-3 can be used in anything that requires lubrication! A few drops mixed with normally required lubricant will reduce friction and help protect the metal or bearing parts. Use on Bicycles, Sewing Machines, Motor Bearings, etc.