



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 the Cerma support line at (866) 94-CERMA / (866) 942-3762.

Dosage – How Much Should I Use?

Newer vehicles require a smaller dosage. Please make note of how many miles are on your vehicle and adjust the dosage appropriately. After adding Cerma STM-3 Engine Treatment to the motor oil, autos should be driven for a minimum of 1500, trucks and semi-trucks for a minimum of 3000, and motorcycles a minimum of 500 miles before changing out motor oil. This allows for the Cerma Engine Treatment to achieve its full cleaning capabilities.

Dosage Adjustment (Cerma STM-3 Engine Treatment)	Miles for Automobiles	Miles for Trucks	Miles for Semi-Trucks	Miles for Motorcycle
Use full (100%) of recommended dosage	30,000+	30,000+	300,000+	30,000+
Use 1/2 (50%) of recommended dosage	10,000 to 30,000	10,000 to 30,000	150,000 to 300,000	10,000 to 30,000
Use 1/4 (25%) of recommended dosage	New under 10,000	New under 10,000	New under 100,000	New under 10,000

Recommended Dosage

Engine Type	Dosage
Gasoline, 4 to 8 cylinders (automobile)*	2 oz - Cerma Engine Treatment for Gasoline Engines
Small Diesel, 1 to 2.8 liters (automobile)*	2 oz - Cerma Engine Treatment for Diesel Engines
Small Diesel, 3 to 4.8 liters (automobile)*	4 oz - Cerma Engine Treatment for Diesel Engines
Medium Diesel, 5 to 7.3 liters (pick-up truck)*	6 oz - Cerma Engine Treatment for Diesel Engines
Medium Diesel, 7.3 to 10 liters (pick-up truck)*	10 oz - Cerma Engine Treatment for Diesel Engines
Large Diesel, 10 to 15 liters (semi-truck)*	12 oz - Cerma Engine Treatment for Diesel Engines
Large Diesel, 15+ Liters (semi-truck or other)*	Call or Email for correct dosage (866) 94-CERMA or sales @cermastore.com
Motorcycle, less than 600 cc with 1 oil reserve	1 oz to engine oil - Cerma Engine Treatment for Motorcycles
Motorcycle, more than 600 cc with 1 oil reserve	1 1/4 oz to engine oil - Cerma Engine Treatment for Motorcycles
Motorcycle, less than 600 cc with 2 oil reserves	3/4 oz to engine oil, 1/4 oz to clutch - Cerma Engine Treatment for Motorcycles
Motorcycle, more than 600 cc with 2 oil reserves	1 oz to engine oil, 1/4 oz to clutch - Cerma Engine Treatment for Motorcycles

* Also applies to commercial and industrial equipment of same engine capacity and fuel type - Call Cerma with 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 to your fuel tank. If blow-by or pressurized oil system is present, shut off engine, add dosage amount, close cap and immediately restart engine. (More is Not Better - Use Only Recommended Dose)

2. Keep engine running and immediately after treatment is added, bring engine up to 1500 to 2000 rpm 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 20 - 30 miles (40 miles 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 1500 miles (3000 miles for trucks and semi-trucks, 500 miles 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: Cerma STM-3® Engine is a "One Time" Treatment. If switching over to Cerma Motor Oil, you do not need to add additional treatment as Cerma Motor Oil includes the Cerma STM-3 Technology in its additive pack. If running on NON Cerma Motor Oil, additional maintenance dosages may be helpful after 75,000 to 150,000 miles (500,000 for semi-trucks) pending driving habits, conditions, and vehicle. Contact Cerma if you feel your engine needs another boost.



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Transmission				
One Step Application - Add recommended dosage to Transmission Fluid and drive for 5 to 10 minutes.	Automobile	Pick-Up Truck	Semi-Truck	Other
Cerma STM-3 Transmission - Automatic or Manual	2 oz	2 oz	6 oz	Call
Fuel				
1st Fill Up - prior to Fill up on at least HALF EMPTY TANK, add treatment into the fuel tank at recommended ratio. Fill tank with fuel. 2nd Fill Up: Repeat Follow Up: Monthly	Up to 40 Gallons		40 Gallons +	
Cerma STM-3 Fuel Treatment - Gasoline or Diesel	1 oz		1 oz for first 40 gallons, 1 oz for each 40 gallons thereafter	
Power Steering				
One Step Application - Add recommended dosage to Power Steering Fluid and drive for 5 to 10 minutes.	Automobile	Pick-Up Truck	Semi-Truck	Other
Cerma STM-3 Power Steering	1 oz	1 oz	2 oz	Call
Hydraulic				
One Step Application - Add recommended dosage to Hydraulic Fluid and drive for 5 to 10 minutes.	Up to 2 Gallons	Up to 5 Gallons	Up to 20 Gallons	20 Gallons +
Cerma STM-3 Hydraulic	1 oz	1 oz	6 oz	6 oz for first 20 gallons, 1 oz for each 20 gallons thereafter
Gear - Axels and Differentials				
One Step Application - Add recommended dosage to Axel or Differential and drive for 5 to 10 minutes.	Automobile	Pick-Up Truck	Semi-Truck	Other
Cerma STM-3 Gear Treatment	2 oz	2 oz	6 oz	Call
Gear HD - Industrial Equipment & Heavy Duty Gearboxes				
One Step Application - Add recommended dosage to Gearbox and drive for 5 to 10 minutes.	Up to 30 Gallons		30 Gallons +	
Cerma STM-3 Gear Treatment HD	6 oz		6 oz for first 30 gallons, 1 oz for each 30 gallons thereafter	

Treatments Requiring Cerma STM-3 Engine Treatment Prior to Use

Turbo				
After adding Cerma Engine Treatment and driving for 1500 miles (3000 miles for trucks), add 1/2 dose to WARM engine oil and drive for 5 to 10 minutes prior to shutting off engine. Drive another 500 miles prior to changing out motor oil. If changing to NON Cerma Motor Oil, add remaining 1/2 dose to new motor oil. If changing to Cerma Motor Oil, do not add remainder.	Automobile	Pick-Up Truck	Semi-Truck	Other
Cerma STM-3 Turbo Treatment	2 oz	2 oz	6 oz	Call
Vanos				
SHAKE WELL PRIOR TO USE. After adding Cerma Engine Treatment and driving for 1500 miles, SHAKE WELL , add entire contents to WARM engine oil, and drive for 5 to 10 minutes prior to shutting off engine. Drive another 500 miles prior to changing out motor oil.	Automobile			
Cerma STM-3 Vanos Treatment	1.25 oz			



Cerma STM-3 Treatments versus Cerma STM-3 Motor Oils and Fluids

All Cerma products come in both Treatment and Oil/Fluid form. Cerma Treatments and Cerma Oils work INDEPENDENTLY of each other and can be used separately in all cases.

Cerma Treatments act quickly to restore, clean, lubricate and protect by using the oil 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 utilizing a Cerma Treatment, and you keep your vehicle in peak operating performance, you will unlikely need to re-treat any system.

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, additional maintenance dosages may be helpful pending mileage, driving habits, conditions, and vehicle. Contact Cerma when you feel your vehicle needs another boost.

The BEST way to maintain peak operating performance is to utilize Cerma Oils/Fluids after treating your vehicle with a Cerma Treatment:

Cerma STM-3 Engine Treatment	then	Cerma STM-3 Motor Oil
Cerma STM-3 Automatic Transmission Treatment	then	Cerma STM-3 Automatic Transmission Fluid
Cerma STM-3 Manual Transmission Treatment	then	Cerma STM-3 Gear Oil
Cerma STM-3 Hydraulic Treatment	then	Cerma STM-3 Hydraulic Fluid
Cerma STM-3 Power Steering Treatment	then	Cerma STM-3 Power Steering Fluid

Always feel free to contact Cerma at any time for any specific case or need.

FOR BEST PERFORMANCE AND MAXIMUM OIL LIFE, FOLLOW THE CERMA PROTOCOL:

1. Add Cerma STM-3 Treatment
2. Drive 1,500 miles - the longer the better (3,000 miles for trucks)
3. Change Oil using Cerma Brand Motor Oil and Fluids

Your part of the process is now complete. Over the next 90 days of driving, the Cerma process will complete on its own.

IMPORTANT: DO NOT ADD TREATMENT AND OIL AT THE SAME TIME!

Follow the Cerma Protocol with Cerma Treatments and Cerma Motor Oils and Fluids and you will get ultimate savings, value, protection, and performance.

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



Cerma STM-3 Motor Oils

Cerma STM-3 Motor Oils are the next generation of lubricating oil which employs our SiC (Run Clean) technology to protect engine against performance degrading sludge and abrasive carbons. Cerma will restore power to engine, reduce friction, reduce harmonics and vibration, increase horsepower and torque, provide unmatched protection, and keep engine and engine parts clean.

Run Clean Technology is Engineered for MAXIMUM Performance in ALL Engines:

- **Keeps Vehicles on the Road and Running**
- **Provides Fast Cold Weather Starting**
- **Provides Extreme Temperature Protection**
- **Provides Maximum Wear Protection**
- **Suitable for use in any Induction (Turbo) Motors**

Cerma STM-3 is the world's first self-cleaning oil, and the only technology that treats the metal to bring and keep the vehicle performing at peak levels. Cerma STM-3 effectively optimizes performance while reducing friction and wear. As the vehicle is driven, the 100% active ingredient, STM-3, applies a permanent nano Silicon Carbide (SiC) matrix seal within the sub-surfaces of the engine, 1 to 6 microns deep. As Cerma STM-3 penetrates, this matrix is lapped to create a perfect surface on the metal sub-surfaces of the engine.

Cerma STM-3 technology lubricates and cleans while continuing to prevent contaminants from agglomerating and depositing on metal surfaces. The SiC (Run Clean) technology works by attracting the carbon and lacquer into masses that are large enough for the system filtration to catch and filter out of the system. In other words, Cerma STM-3 creates a full self-cleaning lubrication system, combining a superior lubrication with the technology to clean for the life of the oil.

Oil change intervals can be as short as 3,000 miles or as long 30,000 miles. We recommend that you follow the oil and filter change frequencies shown in your owner's manual. With the high-performance of Cerma Motor Oils, you can have the confidence to go the full mileage or time frame recommended by the vehicle manufacturer. Cerma Motor Oils are especially suitable for the latest vehicles with extended drain intervals or vehicles with oil monitoring systems that vary oil drain intervals.

ALL CERMA MOTOR OILS, OILS AND FLUIDS CAN BE USED INDEPENDENTLY OF ANY CERMA TREATMENT, AND WILL BE THE BEST PERFORMING OILS YOU HAVE EVER USED.

FOR BEST PERFORMANCE AND MAXIMUM OIL LIFE, FOLLOW THE CERMA PROTOCOL:

- 1. Add Cerma STM-3 Engine Treatment**
- 2. Drive 1,500 miles - the longer the better (3,000 miles for trucks)**
- 3. Change Oil using Cerma Motor Oil**

Following this simple three step process will ensure that Cerma Motor Oils will last to their minimum specifications of 15,000 and 30,000 miles respectively.

ALL CERMA MOTOR OILS AND FLUIDS CAN BE USED INDEPENDENTLY OF ANY CERMA TREATMENT, AND WILL BE THE BEST PERFORMING OILS YOU HAVE EVER USED.

However, using Cerma Motor Oils independent of the Cerma Engine Treatment, and depending on your vehicle age and health, it may take a number of oil changes for the Cerma proprietary technology to clean and restore the entire system. Newer vehicles, less, older vehicles more. But once the Cerma process is complete, your vehicle's engine will operate and continue to operate at peak performance.

In all uses of Cerma Motor Oils and Fluid, user should continue to change oil filter as per manufacturer's specs.

IMPORTANT: DO NOT ADD TREATMENT AND OIL AT THE SAME TIME!

REMEMBER: Longer is better. After adding Cerma Engine Treatment, drive as long as possible to your next scheduled oil change interval. AFTER BREAK IN PERIOD, change oil using the Cerma Motor Oil your purchased.

Cerma STM-3 Treatments

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, and then after about 150 miles 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 may be required.

Replacing the fuel filter will also insure proper pressure and fuel atomization 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 100 miles and stabilize at several hundred miles as piston rings reseal on the new STM-3 base.

Warning:

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.

Clean Up:

Use soap and water. Cerma STM-3 is water soluble, non-toxic and contain no voc's.

Facts:

- **Cerma STM-3 Engine Treatment is a metal treatment and does not mix with or change the engine oil or its tolerances.**
- **Cerma Turbo Treatment is a true oil conditioner and will protect oil from breaking down and causing deposits, or premature engine wear. This added treatment is recommended for vehicles with Turbo engines.**
- **Cerma STM-3 products do not utilize wax, PTFE, solvents, or oil thickeners.**
- **Cerma STM-3 products utilize 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...**