

## INSTRUCTIONS FOR USE FOR HYDRAULIC POWER STEERING SYSTEMS

CERAMIZER® is recommended for reconditioning of hydraulic power steering systems and for regeneration of surfaces of friction between metal parts.

The proper use of Ceramizer® will result in improvement of the vehicle's steering booster performance, it extends the life of mechanism as well as extends oil change intervals.

Recondition of metal parts with use of Ceramizer® takes place in normal operating conditions without the need to dismantle them. Metal-ceramic layer (which has unique qualities) covers all, especially exploited surfaces, leading to restoration of nominal geometry of the surfaces which are subject to friction.

### INDICATIONS:

1. Ceramizer® is suitable with all types of oil for power steering system. Ceramizer® does not affect oil at all. Its viscosity and composition remain the same. Oil is used as a means of delivery of active nano particles into the internal metal and rubbing parts of the hydraulic power steering system.
2. Lowered dose of Ceramizer® will not give the expected results.
3. Increased dose doesn't cause any side effects, it only lengthens the process of cermet creation.
4. The ceramic layer lasts up to 2 years depending on the operating conditions of the mechanism (in normal operating conditions) or up to 100 000 km / 60 000 miles.
5. Ceramization of worn surfaces can be repeated many times with Ceramizer®.
6. Ceramizer® can be used for any device (including industrial devices) after consulting Ceramizer®'s Producer.
7. This technology is intended to protect new and recondition worn but not damaged mechanisms.

### DOSAGING:

This chart defines the amount of doses necessary for ceramization of the surfaces of rubbed parts.

1 dose = one syringe with additive of netto weight 3,3 g.

Capacity of oil in the power steering system (in litres)	1-2	2-5	5-8	8-11
Amount of doses	1 dose	2 doses	3 doses	4 doses

### DIRECTIONS FOR USE:

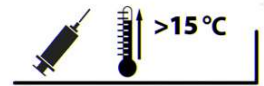
1. Warm the engine to normal operating temperature by driving a few km (miles).
2. Turn the engine off.
3. Heat up the syringe to the minimum application 15 oC temperature (if needed). Shake the syringe a few times.
4. **Set the steering wheel straight ahead.**
3. Unscrew the cap of oil reservoir in the power steering system and pour ½ of the content of the syringe to the inlet. Make sure that the required level of oil is maintained.
5. Turn the cap of oil reservoir back on.
6. Turn the engine on. Then keep turning the steering wheel full left and full right for about 5 – 10 minutes.  
This should be done when the vehicle is not in motion or is going at a low speed.
7. **Turn the engine on again, unscrew the cap of oil reservoir in the power steering system and pour the rest ½ of the content of the syringe to the inlet.**
8. Repeat actions 4, 5, 6, 7 till you empty the content of the syringe(s).
9. The metal-ceramic layer develops up to 1500 km /935 miles in normal

operating conditions. During this time oil exchange is not recommended.

#### 1. WARM UP THE ENGINE



#### 2. HEAT UP THE SYRINGE



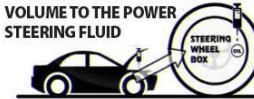
#### 3. SHAKE THE SYRINGE



#### 4. SET STEERING WHEEL STRAIGHT AHEAD



#### 5. SWITCH OFF THE ENGINE AND APPLY 1/2 OF CERAMIZER'S UNIT VOLUME TO THE POWER STEERING FLUID



#### 6. START THE ENGINE



#### 7. TURN THE STEERING WHEEL TO THE LEFT AND RIGHT SEVERAL TIMES



#### 8. REPEAT STEPS



#### 9. DO NOT REPLACE POWER STEERING FLUID BEFORE MAKING THE FIRST 1500 KM / 930 MILES



### NOTES:

1. If any teflon or molybdenum components had been added to oil before, we recommend to exchange this oil and to clean mechanism before applying Ceramizer®. Otherwise its effectiveness will be reduced and process of the cermet creation will be lengthened.
2. In case of any mechanical damages of the transmission e.g. broken cog, deep scratches, cracks, significant wear, etc., they should be repaired before adding Ceramizer®.
3. Ceramizer® does not recondition any places where friction of rubber or plastic with metal parts occurs.
4. The syringes are also correctly filled even if a small leakage of product under the pusher is noticed.

### EFFECTIVENESS

Provides protection against wear and tear for a minimum of 100 000 km / 62 100 miles. Ceramizer® can be used again after this time.

### RESEARCH

This product is safe in accordance with the UE (91/155/EEC) norm. Effectiveness confirmed by tests. Store at a temperature below +40 °C. Does not contain molybdenum or teflon. Keep away from children.

Expiration date: 2024

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PRODUCT MADE IN POLAND