CERAMIZER® CG2T FOR REGENERATION OF 2 STROKE ENGINES OF GARDENING EQUIPMENT

Ceramizer® regenerates friction surfaces of metal and „magnetizes" the oil – prolonging the lifespan of mechanisms

BENEFITS

1. Regenerates metal friction surfaces during exploitation, without dismantling them- only apply to oil to activate.
2. Reduces fuel consumption by 3% -15
3. Enhances compression pressure, restores nominal power and efficiency.
4. Reduces noise and vibrations, provides for a quieter engine work.
5. In majority of cases allows to avert costly engine repairs thus saving money on conventional maintenance and overhaul costs.
6. Hardens and increases resistance to exploitation of friction surfaces.
7. Protects and secures friction surfaces of the engine for at least 400 mth.
8. Protects engine friction surfaces against corrosion (particularily significant during winter storage periods)
9. Increases the engine lifespan at least twofold.
10. Return on purchase investment after already 20-50 mth.

HOW IT WORKS

Regeneration with Ceramizer® works on the basis of restoration of nominal size and proper geometry of cooperating surfaces in mechanisms, where friction occurs , through creation of overlaping metal-ceramic layer with unique properties.

Regeneration requires no dismantling of devices and occurs during its normal exploitation. Thermodynamic processess on friction surfaces incite the creation of the metal-ceramic layer in all spots, especially where the surfaces are worn. The biuld-up of the layer slows down and stabilizes with time and with the decrease of the friction coefficient. .

The build-up process is self-optimizing in the the cracks of the details subdued to friction and after reaching a proper, low value of the friction coefficient, the process stops leaving the regenerated surfaces in close-to-nominal shapes. This practically means that in spots with more worn surfaces a thicker layer will be created whereas in spots with less wear and tear a thinner one will appear. Consequently an optimal geometrical structure of the mechanism treated by Ceramizer will be restored.

MAIN DIRECTIONS FOR USE:

1. The highest possible efficiency of Ceramizer is acheived when applying the product according to instrcution.
2. Ceramizer® can be mixed with any type of oil and applied to any 2 stroke engine.
3. If a lowered dosage of Ceramizer is applied the efficiency will not be optimal.
4. If a higher dosage than recommended (e.g. 2 doses instead of 1) is applied there will be no side effects.
5. For a heavily exploited (e.g. Over 50% of exploitation reached) engine it is recommended to use Ceramizer additionally on the cylinder walls through the spark plug hole.

DOSAGING of CERAMIZER®

Appropriate dosaging of Ceramizers for a two stroke engine of **250 cm^3** is presented in the table:

Mileage [mth] or [km]:	**To 1 liter of oil (stage I)**	**To 1 cylinder (stage II)**
20 to 100 mth (1-5 thousand km)	1 dose	-
100 to 200 mth (5-10 thousand km)	1 dose	1 dose
200 to 400 mth (10-20 thousand km)	2 doses/2 litres of oil	1 dose
Over 400 mth (20 thousand km)	3 doses/2 litres of oil	1 dose

Package contains:
One syringe dispenser of easily oil-soluble product of 4g weight and application instruction.

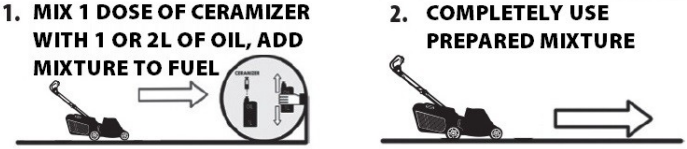
NOTES

1. We recommend to perform a compression pressure test before and after applying Ceramizer in order to verify the efficiency of the product.
2. Ceramizer® CG2T can be applied after the engine run in period. (approx. 20 mth) and later on at any given time.
3. Use preventively in order to protect the engine against wear and tear and prolong its lifespan.
4. Can be used with any type of oil.
5. Can be used in any 2 stroke engine.
6. Can be used in engine with nicasil.

DIRECTIONS FOR USE

Stage I - Ceramizer® to 1 or 2 litres of oil:

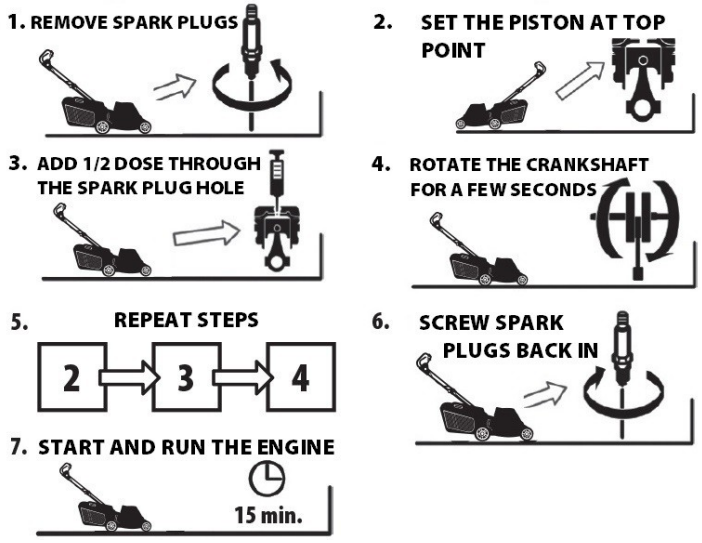
1. Mix dose/s of Ceramizera® CG2T with 1 or 2 litres of oil according to the table hereabove.
2. Use oil and Ceramizer® mixture , adding to the fuel according to the engine producer's instruction.
3. Before any subsequent application to fuel or central lubrication container shake the mixture multiple times.
4. Exploit the engine while adding the mixture till its depletion.
5. After having used 1l of mixture check the fuel filter and change it in case of overcontamination.



Stage II - Ceramizer® to cylinder:

1. Heat the engine up to working temperature during 10 mins.
2. Turn the engine off.
3. Unscrew the spark plug.
4. Place the piston in the upper position.
5. Apply 1/2 dosage of Ceramizer through the spark plug

hole (try to apply it evenly on the walls of cylinder)
6. Without unscrewing the spark plug, turn the crankshaft several dozen times (e.g by using the starter for a few seconds). Perform the action with the ignition off or spark plug removed from the ignition cable).
7. Repeat steps 4-6 for the remaining 1/2 dose and go to step 8.
8. Screw the spark plug back in.
9. Turn the engine on , leave on idle for approx. 15 mins and then use normally using the mixture made in stage 1.



We advise to go through both stages in one cycle of application.

REMARKS

1. In case of heavy engine damage (e.g. broken piston ring, deep cracks on cylinders)- it is advised to fix the defects before applying Ceramizer®.
2. Ceramizer® does not regenerate surfaces where rubber to metal friction or plastic to metal friction occurs.
3. The syringes are also correctly filled even if a small leakage of product under the pusher is noticed.

RESEARCH

1. Ceramizer® is produced according to UE norm (91/155/EEC).
2. Ceramizer® is neutral to the oil, can be used with any type of oil- does not change physiochemical or rheologic oil properties (proven by expertise of Polish Institute of Air Force NR 6/55/08)
3. Store in temp. below +40 oC; in case temp. rises above this level, the product may sediment. In order to use it, shake it firmly and cool it down to temp. below +40 oC.
4. Does not contain Teflon nor molybdenum.
5. Ceramizer® increases the lifespan of devices thus increasing the safety of exploitation
6. Keep away from children.

EFFECTS

Durability and resistance of the metal-ceramic layer is around 400 mth. After reaching this mileage it is recommended to re-apply Ceramizer.
Use of Ceramizer is completely safe for every engine that is normally exploited. The product will not cause any harm to the engine.

Efficiency of the product has been confirmed by many independent tests and testimonials of users; see: www.ceramizer.com

Producer:
CERAMIZER D. Kosiorek Sp. K.
Bartycka 116, 00-716 Warsaw
phone: +48 22 498 09 08 e-mail:
info@ceramizer.com
www.ceramizer.com