CERAMIZER® CG4T FOR REGENERATION OF 4 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. Eliminates oil overburn.
4. Enhances compression pressure, restores nominal power and efficiency.
5. Reduces noise and vibrations, provides for a quieter engine work.
6. In majority of cases allows to avert costly engine repairs thus saving money on conventional maintenance and overhaul costs.
7. Hardens and increases resistance to exploitation of friction surfaces.
8. Protects and secures friction surfaces of the engine for at least 1400 mth.
9. Protects engine friction surfaces against corrosion (particularily significant during winter storage periods)
10. Increases the engine lifespan at least twofold.
11. 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 4 stroke engine: petrol and Diesel, (common-rail, injection pump, unit injectors) or lpg, turbocharged, with catalyser or oxygen sensors.
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 85% of exploitation reached) engine it is recommended to increase the Ceramizer dosage by 50%.
6. For engines used in extreme conditions it is advised to double the dosaging of Ceramizer compared to the directions presented herebelow:

DOSAGING

Oil in the engine (l)	**Up to 2**	**2-5**	**5-8**
Mileage: 20-100 mth (1-5 thousand km)	0.5 dose	1 dose	2 doses
Mileage: 100-300 mth (5-15 thousand km)	1 dose	2 dozes	3 doses
Mileage: 300-600 mth (15-30 thousand km)	2 doses	3 doses	4 doses
Mileage: over 600 mth (30 thousand km)	3 doses	4 doses	5 doses

Mth-operating hours

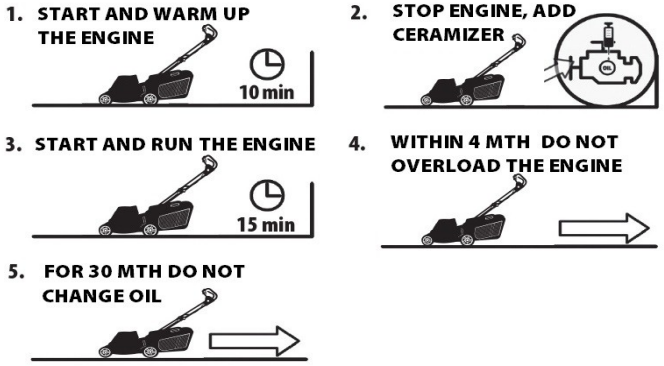
Package includes:
One syringe dispenser of easily oil-soluble product with weight of 4g and instruction of use.

DIRECTIONS FOR USE

1. Perform compression pressure test (before and after Ceramizer application) in order to confirm the effciciency of the product.
2. CG4T can be used at any stage of exploitation , best after oil change for maximum efficiency.
3. Use preventively in order to secure the engine and prolong the lifespan of the mechanism.
4. Use with any kind of oil.
5. Do not change oil during the first 30 mth /1500 km .

INSTRUCTION

1. Heat the engine up by starting and letting it run on idle for ten minutes.
2. Turn the engine off.
3. Remove the engine oil cork topping and apply the dose to oil intake.
4. Screw the cork topping back on.
5. Start the engine and run on idle for 15 mins.
6. During the first 4 mth use the device smoothly – do not overload the engine. Best to let it run on idle.
7. After this period use normally. Creation of metal-ceramizc layer will last till 30 mth in normal exploitation. Do not change oil during this time !
8. In case of augmented dosage (e.g. 2 doeses) it is recommended to use the first one according to instruction and the susequent dosages in the same manner but every other 10 mth in order to maximize the efficiency of the product.



EFFECTS

Durability and Effectiveness of the metal-ceramic layer is approximately 1400 mth. It is advised to re-apply Ceramizer after this period. Ceramizers are completely safe to use in case of a normally exploited unit/ mechanism. The do not cause any damage to the engine.

Efficiency of the product proven by multiple tests and testimonials presented on : www.ceramizer.**com**

NOTES

1. If any oil additive containg PTFE or molybdenuym had been used prior to Ceramizer, it is advised to change the oil and use an engine flush. Otherwise the ceramization process will last longer than previsioned and the efficiency of the product might be hindered.
2. In case of any mechanical dameg to the engine (broken piston ring, untight valves, deep scratches on the cylinders etc.) it is advised to fix the malfunction before using Ceramizer.
3. Ceramizer® does not regenerate spots where friction of metal to rubber or metal to plastic occurs.
4. If the engine is equipped with a centrifugal oil filter is is advised to clean it befor applying Ceramizer. Best to detatch or eliminate it from the system for the period of ceramization (if possible). In such filtres the particles of the product tend to deposit themselves on them and thus limit the quantity of the product reaching the friction surfaces.
5. 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.
7. Does not clogg filters or oil channels.
8. Ceramizer® does not change the oil parametres and properties. It does not create any soot particles, sulphur ash,phosporus or sulphur and thus it does not influence the DPF filtres.

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