

Full Metal

Bardahl Full Metal is our most advanced oil addition, developed to meet the high mechanical demands of the new generation of engines.

A lot of wear on mechanical engine parts occurs due to increased friction, improved engine performance, higher torques and increased operating temperatures. This, along with longer refresh times and reduced amount of oil in the crankcase, creates a need for preventive (new cars) and curative anti-wear protection (cars with more than 40,000 km). **Bardahl Full Metal** is the answer to that.

Anti wear properties:

1. Restores the seal between piston and cylinder
2. Increases and restores compression ratios
3. Reduce excessive oil consumption
4. Improves flexibility, throttle response and acceleration
5. Increases the efficiency and power of the engine
6. Extends engine life and reduces engine wear to 40% in cold start
7. Active for 25000km.

Characterize:

1. Made of polar organo metallic molecules, **Bardahl FULL METAL** closes the micro blemishes, caused by wear and this oil addition restores the fitting of pistons into the cylinders.
2. The protective **Bardahl C60 FULLERENE POLAR + film** provides instant lubrication and thus protects the engine in the event of a cold start.
3. This concentrate contains carbon molecules with a 10x greater density and which is 6x lighter than steel. They act as microspheres between mechanical parts to reduce friction and wear of the engine.
4. This exclusive formula contains no solid particles and will not clog the engine (EGR, particulate filter, valves, etc.) or the oil filters.
5. **Bardahl FULL METAL** can be used in the first oil change. Thanks to the 7 anti-wear actions, this oil addition ensures a longer life of your engine and maximizes performance.
6. Suitable for any type of diesel and petrol engine, oldtimer/ youngtimer or modern car.
7. Suitable for engines with a catalyst and particulate filter.

Instructions for use:

Pour the contents into the crankcase when the engine is warm, after both the oil and the oil filter have been refreshed. 1 bottle treats up to 6 liters of oil.

Polar Attraction and Fullerene

Bardahl's "Polar Attraction" with Fullerene includes triple protection against wear, friction and precipitation. This is important because modern engines are exposed to increasing loads (higher power and torque, higher pressures and temperatures). As loads increase, the pressure on oil is increased and oil is squeezed away. The result is increased friction and wear.

Fullerene is the third known form of stable carbon, in addition to diamond and graphite. BARDAHL is the first company in the world to apply Fullerene in lubricants.

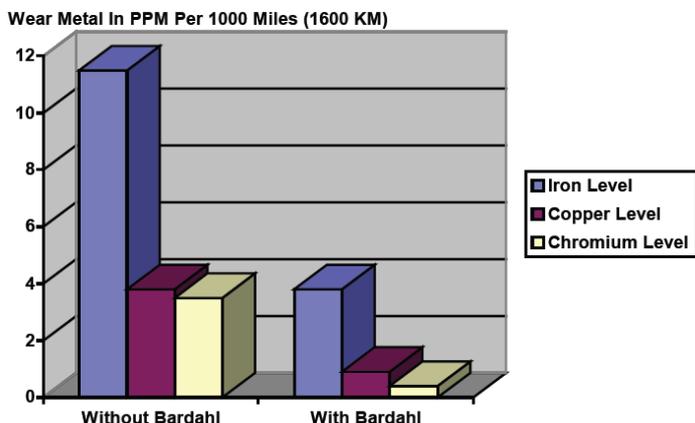
Fullerene spheres act as real micro-ball bearings, are non-deformable and extremely stable: they float between the two contact surfaces and reduce friction in their movements.

TRIPLE protection for the engine

1. level of protection achieved by the BARDAHL oil lubrication film.
2. protection by the Polar Attraction formula.
3. level of protection achieved by means of the Fullerene molecules.

The problem of unprotected metal surfaces has successfully eliminated Bardahl scientists through the sophisticated, unique formula using a special additive, known as the Polar Attraction Formula. Special ingredients in the addition acted as micromagnets with a high attraction for metal surfaces. The resulting lubrication film prevents wear on the metal surfaces. Friction and wear are caused by unevenness of metal surfaces.

Employee Vehicle Testing "Polar Attraction" with Fullerenes Formula



Practical tests show reduced engine wear when the "Polar Attraction Formula" with Fullerene is used. The 'Polar Attraction' with Fullerene has proven itself in motorsport and other extreme applications. Bardahl products are tested a lot in racing; this is an important part of R&D department.

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