



The European Ecolabel for Lubricants "The official EU mark for Greener Products"

Choose the EU Ecolabel for your Lubricants if you want to show your commitment to a better environment.

Once it's on your products, the EU Ecolabel guarantees

- Reduced impact on the aquatic environment and the soil during use
- Reduced CO2 emissions
- High percentage of renewable raw materials
- Limited use of hazardous substances
- High technical performance guaranteed

It can be awarded to the product group 'lubricants' following categories: 1. Hydraulic fluids and tractor transmission oils 2. Greases and stern tube greases 3. Chainsaw oils concrete release agents, wire rope lubricants, stern tube oils and other total loss lubricants 4. Two-stroke oils 5. Industrial and marine gear oils.

Meet your customers' demand

Consumers are today more sensitive to the protection of the environment. Four out of five European consumers would like to buy more environmentally friendly products, provided they are properly certified by an independent organisation. With the EU Ecolabel on your products you offer them a reliable guide to easily identify the good environmental performers available on the market.

**Give your lubricants a credible sign of
environmental excellence...
Apply for the EU Ecolabel!**

They said it!

"Our company has reaped the benefits of its long R & D experience and proved it is possible to produce long life hydraulic fluids based on renewable raw materials. Europe is our home market. That is why we applied for the European Eco-label for biolubricants. Our aim is to spread our know-how of long life hydraulic fluids based on renewable raw material. Our target is to provide our customers with both technical and environmental proof of the excellent behavior of these products."

Merja Lämsä, R&D Manager, Bionol BioSafe Oy

For more information...

... on the scheme, its feature, the actors involved, the application process...
<http://ec.europa.eu/environment/ecolabel>

... to market your eco-labelled products use our free Ecatalogue...
<http://ec.europa.eu/ecat>

... on the "Lubricants" product group: detailed criteria, date of revision...
http://ec.europa.eu/environment/ecolabel/ecolabelled_products/categories/lubricants_en.htm



Check-list (for a first assessment only)

This is a non exhaustive list of EU Ecolabel criteria requirements. Please see the Official criteria document for full details.

Life cycle step	Criterion	Expectations
Manufacturing (formulation)	Excluded or limited substances and mixtures	<ul style="list-style-type: none"> The product does not contain substances (in any forms, including nanoforms) or mixtures meeting the criteria for classification with the hazard classes or categories in accordance with Regulation (EC) No 1272/2008 nor does it contain substances referred to in Article 57 of Regulation (EC) No 1907/2006. The product does not contain substances identified as substances of very high concern and included in the list foreseen in Article 59 of Regulation (EC) No 1907/2006 present in mixtures in concentrations higher than 0,010 %.
Manufacturing	Exclusion of specific substances	<p>The following stated substances are not allowed in quantities exceeding 0,010 % (w/w) of the final product:</p> <ul style="list-style-type: none"> substances appearing in the Union List of priority substances in the field of water policy in Annex X to Directive 2000/60/EC and the OSPAR List of Chemicals for Priority Action organic halogen compounds and nitrite compounds metals or metallic compounds with the exception of sodium, potassium, magnesium and calcium. In the case of thickeners, also lithium and/or aluminium compounds may be used up to concentrations limited by the other criteria included in the Annex to this Decision
Manufacturing	Additional aquatic toxicity requirements	<p>The applicant must demonstrate compliance by meeting the requirements of either one of the following criterion :</p> <ul style="list-style-type: none"> Requirements for the lubricant and its main components: <ul style="list-style-type: none"> Acute aquatic toxicity data of the main components and the mixture should be provided Acute aquatic toxicity data for each main component should be stated on each of the following two trophic levels: algae and daphnia . The critical concentration for the acute aquatic toxicity for each main component should be at least 100 mg/L Acute aquatic toxicity data for the applied lubricant should be stated on each of the following three trophic levels: algae, daphnia and fish The critical concentration for the acute aquatic toxicity for a lubricant in Category 1 and 5 shall be at least 100 mg/L and for a lubricant in Category 2,3 and 4 at least 1000 mg/L. Requirements for each stated substance present above 0.10% (w/w): <ul style="list-style-type: none"> Chronic toxicity test results in the form of No Observed Effect Concentration (NOEC) data should be stated on each of the following two aquatic trophic levels: daphnia and fish. In case chronic toxicity test results are missing, acute aquatic toxicity tests results should be provided for each of the following two trophic levels, algae and daphnia.
Use	Biodegradability and bioaccumulative potential	<ul style="list-style-type: none"> Requirements for the biodegradability and bioaccumulative potential must be fulfilled for each stated substance present above 0,10 % (w/w). The lubricant should not contain substances that are both: non-biodegradable and (potentially) bioaccumulative (exceptions are listed in EU Ecolabel directive 2011/381/EU Table 1)
Use	Information appearing on the EU Ecolabel	<p>Optional label with text box contains the following text:</p> <ul style="list-style-type: none"> 'Reduced harm for water and soil during use, Contain a large fraction of biobased material'.
End of life	Renewable raw materials	<p>The formulated product should have a carbon content derived from renewable raw materials :</p> <ul style="list-style-type: none"> ≥ 50 % (m/m) for Category 1 ≥ 45 % (m/m) for Category 2 ≥ 70 % (m/m) for Category 3 ≥ 50 % (m/m) for Category 4 ≥ 50 % (m/m) for Category 5
End of life	Minimum technical performance	<ul style="list-style-type: none"> Hydraulic fluids should at least meet the technical performance criteria laid down in ISO 15380, tables 2 to 5. For industrial and marine gear oils should apply at least the technical performance requirements as in the DIN 51517. Chainsaw oils should at least meet the technical performance criteria laid down in the RAL UZ 48 of the Blue Angel. Two-stroke oils for terrestrial application should at least meet the technical performance criteria laid down in ISO 13738:2000 For two-stroke oils for marine applications: at least the technical performance criteria laid down in 'NMMA Certification for Two-Stroke Cycle Gasoline Engine Lubricants' of NMMA TC-W3 For all other lubricants: fit for purpose

