



Eco-label

Project - MARKETING FOR PRODUCTS 2007



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# EU Eco-label Lubricants

## EU Eco-label Lubricants criteria aim to identify products in loss & high-risk lubricants that:

- present a relatively *low danger* to the aquatic environment
- lead to *reduced CO<sub>2</sub> emissions*

### Criteria for:

- Hydraulic oils
- Chainsaw oils
- Two stroke oils
- Greases
- Concrete release agents
- Total loss lubricants

### The EU Eco-label is based largely on existing national and international schemes:

- Nordic Swan
- Swedish standard, SS 155434
- German Blue Angel
- NF-Environnement Mark
- Austrian eco-label
- Dutch MIA/Vamil, ISO 15380

### Promising subgroups (not yet included):

- Automotive
- Metalworking fluids
- Gear oils

### IVAM & partners promote the EU Eco-label Lubricants by:

- *Assisting individual companies*
  - To understand and apply the Eco-label criteria to their lubricants
  - To compile their technical dossier
  - To perform LCA studies
- *Contacting policy makers*
  - To get national support for the EU Eco-label Lubricants
  - To identify possible problems with current criteria and try to resolve them

### No R-phrases

Product should not carry any risk phrases indicating environmental or human health hazards

### Aquatic Toxicity

Requirements for:

- a) The preparation and main components (=individual substances accounting for more than 5% w/w of the product)
- b) Each substance present in concentrations higher than 0,1 % w/w

### Biodegradability and bioaccumulation

- Non-biodegradable and (potentially) bio-accumulative: < 1,0% w/w
- Inherently biodegradable substances are limited
- Ultimately biodegradable are unlimited

### Exclusion of substances

- No substance from the OSPAR list and EU water policy list of priority substances
- No organic halogen compound or nitrite compounds
- No metals or metallic compound (with the exception of Na, K, Mg, Ca and Li or Al for thickeners)

### Renewable carbon content

The European Eco-label demands a high content of renewable raw materials in the lubricant formulation (*type dependant*; ≥ 45% - ≥ 70%)

### Technical performance

- Hydraulic fluids: ISO 15380, tables 2-5
- Chain saw oils: RAL-UZ 48 (Blue Angel)
- Two-stroke oil: NMMA TC-W3
- Greases, concrete release agents and other total loss lubricants: 'fit for purpose'



The EU Ecolabel Lubricants has been established by EC Decision on 26/4/05 (2005/360/EC)  
<http://europa.eu.int/comm/environment/ecolabel/pdf/lubricants>