

## LUBRICATING OILS AS ENVIRONMENT FRIENDLY PRODUCTS LABELLING CRITERIA

Ministry of Environment and Forests, No. G.S.R. 620 (E), dated September 6, 1995, published in the Gazette of India, Part II, Section 3 (i), dated 7th September, 1995

Whereas a notification in exercise of the decision recorded in Paragraph 5 of the Resolution of the Government of India in the Ministry of Environment and Forests, *vide* GSR 85 (E), dated 21st February, 1991 inviting objections from concerned quarters within a period of sixty days from the date of publication of the said notification, against intention for prescribing the criteria for labelling of Lubricating Oils as Environment Friendly Products was published by the Ministry of Environment and Forests in G.S.R. 599 (E), dated 18-6-1992.

And whereas all objections received within the said period of sixty days have been examined. Now, therefore, after duly considering the objections received, Central Government notifies the criteria for Lubricating Oils as Environment Friendly Products as under :

### 1.0. GENERAL REQUIREMENTS :

1.1. All lubricating/speciality oils shall meet relevant Indian Standards notified by Bureau of Indian Standards (BIS).

1.2. The product manufacturer must produce the consent clearance as per the provision of Water (Prevention and Control of Pollution) Act, 1974, Water (Prevention and Control of Pollution) Cess Act, 1977 and Air (Prevention and Control of Pollution) Act, 1981 respectively along with the authorization, if required, under Environment (Protection) Act, 1986 and rules made thereunder to Bureau of Indian Standards while applying for the Ecomark.

1.3. The product must display the list of critical ingredients in descending order of quantity present in per cent by weight, to be decided by BIS.

1.4. The product packaging may display in brief the criteria based on which the product has been labelled Environment Friendly.

1.5. The material used for product packaging shall be recyclable, reusable or biodegradable.

1.6. The product package or leaflet accompanying it may display instructions of proper use, storage, transport and recommend disposal guidelines after use and safe handling precautions so as to maximise the product performance and minimise wastage.

## 2. PRODUCT SPECIFIC REQUIREMENTS :

2.1. LUBRICATING OILS (VIRGIN) : Following categories of oil are included :

--Lubricants : Vegetable Oil based.

--Lubricants : Other than Vegetable Oil based.

2.1.1. The product must not have toxic effect on aquatic organisms. EC 50/LC 50 shall not be less than 1.0 mg/litre.

Note.—The method of testing to be followed shall be decided by BIS in consultation with the Central Pollution Control Board.

2.1.2. The base oil, additives and formulated products must have per cent biodegradability as mentioned below.

Lubricants	Minimum Biodegradability
Lubricants (vegetable oil based)	90%
Lubricants (other than vegetable oil based)	60%

The above mentioned per cent biodegradability shall be tested as per OECD test method CEC-L-33-T-82, 21 days.

2.1.3. The product shall not contain toxic metals such as lead and barium. Antimony shall not be used in concentration beyond 0.25% when tested as per AAS method.

2.1.4. The product must not contain halogenated products such as PCBs, PCTs and PBTs as well as Nitrites.

Note.—The manufacturer shall provide documentary evidence by way of certificate or declaration to this effect to Bureau of Indian Standards while applying for Ecomark.

## 2.2. FORMULATED LUBRICANTS FROM RECLAIMED/RE-REFINED OILS :

2.2.1. The product shall contain more than 50% by volume re-refined/ recycled products, reclaimed through environmentally compatible re-refining process.

Note 1.—The manufacturer shall provide documentary evidence by way of certificate or declaration to this effect to Bureau of Indian Standards while applying for Ecomark.

Note 2.—The lubricants containing more than 2000 ppm of Halogens or more than 20 ppm of PCBs should be treated as Hazardous Waste and therefore shall not be re-refined/reclaimed.

2.2.2. The product shall meet the product specific requirements as per lubricating oils (Virgin) as mentioned at para 2.1.

3.0. BIS may formulate/incorporate optional standards for environment friendly characteristics.

The criteria are subject to review after three years from the date of its publication in the Gazette of India. However, the Steering Committee is empowered to review the criteria earlier as and when need arises.