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SYNOPSIS

Number and Title of the Indian Standard:
Extender Oils for Rubber & Allied Industries

Petroleum Based Low PAH Process &

a) Scope: This Indian standard covers specification for various new process/extender oils named as Low PAH oils for use by rubber and allied industries. This specification, besides defining normal physico-chemical parameters for process & extender based oils, exclusively covers the PAH content requirements.

b) Salient features of content:

The global market place is increasingly demanding low PAH (Polycyclic Aromatic Hydrocarbon) process oils to reduce the health and environmental impact of rubbers and rubber products like tyres. Such low PAH process oils are produced by manufacturers using different refining techniques. Existing Indian Standard IS 15078 for Petroleum Based Rubber Process Oils does not fulfill the requirements of new generation petroleum based low PAH Process and Extender Oils. Use of low PAH rubber process oils is aggressively being sought after by developed & developing countries to meet their enhanced local regulations and hence these oils are required to be used by organizations exporting products to those countries. Indian tyre industry and other industries are already using these oils; therefore, there is a requirement to have a new standard covering these oils.

c) Types/grades/classes, if any covered in the standard:

1. Treated Distillate Aromatic Extract (TDAE)
2. Residual Aromatic Extract (RAE)
3. Treated/Safe Residual Aromatic Extract (TRAE/SRAE)
4. Mildly Extracted Solvate (MES)
5. Naphthenic Oil Light (NAP)
6. Naphthenic Black Oil (NBO)

d) Disclaimer (to be automatically provided by the program/software)