

ECLA**EUROPEAN CLASSIFICATION****C10N****INDEXING SCHEME ASSOCIATED WITH SUBCLASS C10M****Notes****[C0306]**

1. This subclass, **[N: used until May 2003]** constitutes an indexing scheme associated with subclass C10M, relating to:
 - metals per se and the metal of a compound ([C10N10/00](#));
 - the properties of the lubricant composition or constituents thereof ([C10N20/00](#), [C10N30/00](#));
 - the use or application of the lubricant composition ([C10N40/00](#));
 - the form in which the lubricant composition is applied ([C10N50/00](#));
 - chemical modification by after-treatment of lubricant constituents ([C10N60/00](#));
 - special methods of preparation ([C10N70/00](#));
 - special pretreatment of the material to be lubricated ([C10N80/00](#));
2. In this subclass, the following terms or expressions are used with the meanings indicated:
 - "lubricant" or "lubricating composition" includes cutting oils, hydraulic fluids, metal drawing compositions, flushing oils, slushing oils, or the like;
 - "aliphatic" includes "cycloaliphatic".

[N: Notes

[C0807] Attention is drawn to the internal Notes after subclass C10M.
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C10N10/00**Metal present as such or in compounds****Note**

In this group, metals should be indexed according to their group of the Periodic Table.

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|-----------|-----------|
| C10N10/02 | . Group 1 |
| C10N10/04 | . Group 2 |
| C10N10/06 | . Group 3 |
| C10N10/08 | . Group 4 |
| C10N10/10 | . Group 5 |
| C10N10/12 | . Group 6 |
| C10N10/14 | . Group 7 |
| C10N10/16 | . Group 8 |

C10N20/00 Specified physical properties of component of lubricating compositions

- C10N20/02 . Viscosity; Viscosity index
- C10N20/04 . Molecular weight; Molecular weight distribution
- C10N20/06 . Particles of special shape or size

C10N30/00 Specified physical or chemical property which is improved by the additive characterising the lubricating composition, e.g. multifunctional additives

- C10N30/02 . Pour-point; Viscosity index
- C10N30/04 . Detergent or dispersant property
- C10N30/06 . Oiliness; Film-strength; Anti-wear; Resistance to extreme pressure
- C10N30/08 . Resistance to extreme temperature
- C10N30/10 . Inhibition of oxidation, e.g. anti-oxidants
- C10N30/12 . Inhibition of corrosion, e.g. anti-rust agents, anti-corrosives
- C10N30/14 . Metal deactivation
- C10N30/16 . Antiseptic; Biocidal
- C10N30/18 . Anti-foaming property
- C10N30/20 . Colour, e.g. dyes

C10N40/00 Specified use or application for which the lubricating composition is intended

- C10N40/02 . Bearings
- C10N40/04 . Oil-bath; Gear-boxes; Automatic transmissions; Traction drives
- C10N40/06 . Instruments or other precision apparatus, e.g. damping fluids
- C10N40/08 . Hydraulic fluids, e.g. brake-fluids
- C10N40/10 . Running-in oil
- C10N40/12 . Gas-turbines
- C10N40/13 . . Aircraft turbines
- C10N40/14 . Electric or magnetic purposes
- C10N40/16 . . dielectric; Insulating oil

- C10N40/18 . . in connection with recordings on magnetic tape or disc
- C10N40/20 . Metal working
- C10N40/22 . . with essential removal of material, [N: e.g. cutting; Cooling oil]
- C10N40/24 . . without essential removal of material [N: Oil for deformation operations, e.g. drawing, rolling]
- C10N40/25 . Internal combustion engines
- C10N40/26 . . Two-stroke
- C10N40/28 . . Rotary
- C10N40/30 . Refrigerator lubricant
- C10N40/32 . Wire, rope or cable lubricants
- C10N40/34 . Lubricating-sealants
- C10N40/36 . Release agents
- C10N50/00 Form in which the lubricant is applied to the material being lubricated**
- C10N50/02 . dissolved or suspended in a carrier which subsequently evaporates to leave a lubricant coating
- C10N50/04 . Aerosol
- C10N50/06 . Gaseous phase, at least during working conditions
- C10N50/08 . solid
- C10N50/10 . semi-solids; greasy
- C10N60/00 Chemical after-treatment of the constituents of the lubricating composition**
- C10N60/00B . [N: by organic hydroxy group containing compounds]
- C10N60/00E . [N: by nitrogen containing compounds]
- C10N60/02 . Reduction, e.g. hydrogenation
- C10N60/04 . Oxidation, e.g. ozonisation
- C10N60/06 . by epoxides
- C10N60/08 . Halogenation
- C10N60/10 . by sulfur or a compound containing sulfur
- C10N60/12 . by phosphorus or a compound containing phosphorus, e.g. PxSy

C10N60/14 . by boron or a compound containing boron

C10N70/00 **Special methods of preparation**

C10N80/00 **Special pretreatment of the material to be lubricated, e.g. phosphatising or chromatising of a metal**