

Title (en)
LUBRICATING OIL COMPOSITIONS COMPRISING A TRINUCLEAR COMPOUND ANTIOXIDANT

Title (de)
SCHMIERMITTELZUSAMMENSETZUNGEN ENTHALTEND EINE MOLYBDENUM TRINULEARVERBINDUNG ALS ANTIOXYDATIONSMITTEL

Title (fr)
COMPOSITIONS D'HUILE LUBRIFIANTE COMPORTANT UN ANTIOXYDANT CONTENANT UN COMPOSE TRINUCLEAIRE

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Application
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Abstract (en)
[origin: GB2359091A] This invention relates to a lubricating oil composition comprising a Group I basestock and an antioxidant comprising an oil soluble trinuclear organomolybdenum compound of the generic formula: $\text{Mo}(\text{S}(\text{SB})_3\text{S}(\text{SB})_x\text{Q})_2$ (I) wherein x is from 4 to 10 and Q is a core group, which may be a ligand, wherein the basestock has a kinematic viscosity at 100°C (KV SB 100 SB) from about 2 cSt to 50 cSt ($2 \times 10^{\text{SP}-6}$ to $50 \times 10^{\text{SP}-6}$ m SP 2 SP /sec), a saturates content of <90% w/w, an aromatics content of > 10% w/w and a sulphur content of > 0.03% w/w. The composition has an improved stability when compared with either a Group II, III or IV basestock containing the same antioxidant or a Group I basestock containing a dinuclear molybdenum dithiocarbamate.

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