

Title (en)
ZINC-FREE FARM TRACTOR FLUID

Title (de)
ZINKFREIES ACKERSCHLEPPERFLUID

Title (fr)
FLUIDE SANS ZINC POUR TRACTEUR AGRICOLE

Publication
EP 1910505 B1 20130807 (EN)

Application
EP 06785653 A 20060627

Priority
• US 2006024988 W 20060627
• US 69511505 P 20050629

Abstract (en)
[origin: WO2007005423A2] A lubricating composition comprising an oil of lubricating viscosity; an amine salt of a phosphorus acid ester; a thiadiazole copper corrosion inhibitor; an overbased metal detergent; a boron compound; and at least one friction modifier provides good lubrication of a mechanical device such as a farm tractor, even though such composition is substantially free from zinc dialkyldithiophosphate.

IPC 8 full level
C10M 163/00 (2006.01)

CPC (source: EP US)
C10M 141/12 (2013.01 - EP US); **C10M 169/045** (2013.01 - EP US); **C10M 169/048** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/042** (2013.01 - EP US); **C10M 2207/126** (2013.01 - EP US); **C10M 2207/26** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2215/08** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2217/043** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/042** (2013.01 - EP US); **C10M 2223/043** (2013.01 - EP US); **C10M 2223/047** (2013.01 - EP US); **C10M 2223/049** (2013.01 - EP US); **C10M 2223/063** (2013.01 - EP US); **C10M 2227/061** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/14** (2013.01 - EP US); **C10N 2030/64** (2020.05 - EP US); **C10N 2030/76** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/046** (2020.05 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2060/14** (2013.01 - EP US)

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WO 2007005423 A2 20070111; **WO 2007005423 A3 20070301**; AU 2006266095 A1 20070111; AU 2006266095 B2 20100805; BR PI0611715 A2 20100928; BR PI0611715 B1 20160315; CA 2613438 A1 20070111; CA 2613438 C 20140325; EP 1910505 A2 20080416; EP 1910505 B1 20130807; US 2009215657 A1 20090827

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