














EcoLabel – LuSC – BioPreferred Technical Data Sheet

The use of Environmentally Acceptable Lubricants (EAL) is growing, especially in applications where accidental release into environmentally sensitive areas is possible. Equipment used in marine operations, ports/harbors, farming, forestry, golf courses and electrical transformers utilize synthetic ester based EALs to protect the environment, avoid costly clean-up charges/fines and achieve performance superior to mineral oils.

Synthetic Ester	Registration Status	Viscosity @ 40°C (cSt)	Viscosity @ 100°C (cSt)	Viscosity Index	Bio-Carbon Content, %	Biodegradability
Monoesters						
LEXOLUBE IPP		5.0	2.0	275	85	Readily
LEXOLUBE IPO		5.5	2.0	215	86	Readily
LEXOLUBE T-110		10	3.0	170	69	Readily
LEXOLUBE HS-S		11	3.0	130	56	Readily
LEXOLUBE B-109		16	4.2	170	68	Readily
Polyol Esters						
LEXOLUBE 3Q-310		18	4.0	120	61	Readily
LUBRICIT NGDO		24	5.8	200	81	Readily
LEXOLUBE 3N-310		20	4.4	140	82	Readily
LUBRICIT PGDO		21	5.5	215	85	Readily
LEXOLUBE 4N-415		32	6.1	145	84	Readily
LUBRICIT GTO		40	8.5	200	100	Readily
LEXOLUBE 3G-310		46	9.4	190	90	Readily
LUBRICIT PE 418		66	12	185	93	Readily
LUBRICIT DPE 618		110	18	180	86	Readily
Complex Esters						
LEXOLUBE CPE 70		70	11	150	55	Readily
LUBRICIT 9538		140	22	180	85	Readily
LUBRICIT 9538/1		330	45	185	85	Readily
LEXOLUBE KL-435		435	38	125	44	Readily
LEXOLUBE CLG-460		460	40	135	77	Readily
LEXOLUBE CQ-3000		3000	205	180	66	Inherently
LEXOLUBE CG-3000		3000	290	235	54	Readily
Food Grade HX-1 Esters						
LEXOLUBE GT-855 IG		15	4.0	135	100	Readily
LEXOLUBE FG-22 HX1		22	4.7	140	77	Readily
LEXOLUBE FG-46 HX1		46	7.4	135	47	Inherently



About the USDA BioPreferred Product Label

- ▶ Biobased product certification and labeling is available through the USDA BioPreferred program, intended to increase the development, purchase and use of biobased products. BioPreferred products are derived entirely or significantly from renewable plant, animal, marine or forestry materials.



About the LuSC List (EU EcoLabel)

- ▶ The EU EcoLabel identifies products that have reduced environmental impact throughout their life cycle, from raw material extraction, to use and disposal. The LuSC list comprises lubricant substances that meet stringent biodegradation/bioaccumulation, aquatic toxicity and renewability requirements.

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