15. 6 BRANDS AND PROPERTIES OF LUBRIVATING GREASES

Table 15. 8 Brands of Lubricating Greases and Comparison of Properties

Brands	Thickeners	Base Oils	Dropping Point (°C)	Consistency	Working Temperature Range(1)(°C)	Pressure Resistance	Usable Limit Compared to Listed Limiting Speed(2)(%)
ADREX	Lithium	Mineral oil	198	300	0 ~ +110	Good	70
APPOLOIL AUTOREX A	Lithium	Mineral oil	198	280	−10 ~ +110	Fair	60
Arapen RB 300	Lithium/Calcium	Mineral oil	177	294	−10 ~ + 80	Fair	70
EA2 Grease	Urea	Poly-α-olefin oil	≧260	243	−40 ~ +150	Fair	100
EA3 Grease	Urea	Poly-α-olefin oil	≧260	230	−40 ~ +150	Fair	100
EA5 Grease	Urea	Poly-α-olefin oil	≧260	251	−40 ~ +160	Good	60
EA7 Grease	Urea	Poly-α-olefin oil	≧260	243	−40 ~ +160	Fair	100
ENC Grease	Urea	Polyol ester oil + Mineral oil	≧260	262	−40 ~ +160	Fair	70
ENS Grease	Urea	Polyol ester oil	≧260	264	−40 ~ +160	Fair	100
ECZ	Lithium + Carbon black	Poly-α-olefin oil	≧260	243	−10 ~ +120	Fair	100
ISOFLEX NBU 15	Barium Complex	Diester oil + Mineral oil	≧260	280	−30 ~ +120	Poor	100
ISOFLEX SUPER LDS 18	Lithium	Diester oil	195	280	−50 ~ +110	Poor	100
ISOFLEX TOPAS NB52	Barium Complex	Poly-α-olefin oil	≧260	280	−40 ~ +130	Poor	90
Aero Shell Grease 7	Micro Gel	Diester oil	≧260	288	−55 ~ +100	Poor	100
SH 33 L Grease	Lithium	Silicone oil	210	310	−60 ~ +120	Poor	60
SH 44 M Grease	Lithium	Silicone oil	210	260	−30 ~ +130	Poor	60
NS Hi-LUBE	Lithium	Polyol ester oil + Diester oil	192	250	−40 ~ +130	Fair	100
NSA	Lithium	Poly-α-olefin oil + Ester oil	201	311	−40 ~ +130	Fair	70
NSC Grease	Lithium	Alkyldiphenyl ether oil + Polyol ester oil	192	235	−30 ~ +140	Fair	70
NSK Clean Grease LG2	Lithium	Poly-α-olefin oil + Mineral oil	201	199	−40 ~ +130	Poor	100
EMALUBE 8030	Urea	Mineral oil	≧260	280	0 ~ +130	Good	60
MA8 Grease	Urea	Alkyldiphenyl ether oil + Poly-α-olefin oil	≧260	283	−30 ~ +160	Fair	70
KRYTOX GPL-524	PTFE	Perfluoropolyether oil	≧260	265	0 ~ +200	Fair	70
KP1	PTFE	Perfluoropolyether oil	≧260	280	−30 ~ +200	Fair	60
Cosmo Wide Grease WR No.3	Sodium Terephtalamate	Polyol ester oil + Mineral oil	≧230	227	−40 ~ +130	Poor	100
G-40M	Lithium	Silicone oil	223	252	−30 ~ +130	Poor	60
Shell Alvania EP Grease 2	Lithium	Mineral oil	187	276	0 ~ + 80	Good	60
Shell Alvania Grease S1	Lithium	Mineral oil	182	323	−10 ~ +110	Fair	70
Shell Alvania Grease S2	Lithium	Mineral oil	185	275	−10 ~ +110	Fair	70
Shell Alvania Grease S3	Lithium	Mineral oil	185	242	−10 ~ +110	Fair	70
Shell Cassida Grease RLS 2	Aluminum Complex	Poly-α-olefin oil	≧260	280	0 ~ +120	Fair	70
SHELL SUNLIGHT Grease 2	Lithium	Mineral oil	200	274	−10 ~ +110	Fair	70
WPH Grease	Urea	Poly-α-olefin oil	259	240	−40 ~ +150	Fair	70
DEMNUM Grease L-200	PTFE	Perfluoropolyether oil	≧260	280	−30 ~ +200	Fair	60

(continued on next page)

Notes (1) If grease will be used at the upper or lower limit sufficient of the temperature range or in a special environment such as vacuum, it is advisable to consult NSK.
(2) For short-term operation or when cooling is grease may be used at speeds exceeding the above limits provided the supply of grease is appropriate.

Brands	Thickeners	Base Oils	Dropping Point (°C)	Consistency	Working Temperature Range(1)(°C)	Pressure Resistance	Usable Limit Compared to Listed Limiting Speed(2)(%)
NIGACE WR-S	Urea	Mixed oil	≧260	230	−30 ~ +150	Poor	70
NIGLUB RSH	Sodium Complex	Polyalkylene Glycol oil	≧260	270	−20 ~ +120	Fair	60
PYRONOC UNIVERSAL N6B	Urea	Mineral oil	238	290	0 ~ +130	Fair	70
PALMAX RBG	Lithium Complex	Mineral oil	216	300	−10 ~ +130	Good	70
Beacon 325	Lithium	Diester oil	190	274	−50 ~ +110	Poor	100
MULTEMP PS No.2	Lithium	Mineral oil + Diester oil	190	275	−50 ~ +110	Poor	100
MOLYKOTE FS-3451 Grease	PTFE	Fluorosilicone oil	≧260	285	0 ~ +180	Fair	70
UME Grease	Urea	Mineral oil	≧260	268	−10 ~ +130	Fair	70
UMM Grease 2	Urea	Mineral oil	≧260	267	−10 ~ +130	Fair	70
RAREMAX AF-1	Urea	Mineral oil	≧260	300	−10 ~ +130	Fair	70

Notes (1) If grease will be used at the upper or lower limit sufficient of the temperature range or in a special environment such as vacuum, it is advisable to consult NSK.
(2) For short-term operation or when cooling is grease may be used at speeds exceeding the above limits provided the supply of grease is appropriate.