

COMPATIBILITY OF DIFFERENT TYPES OF GREASES

There is a wide variety of greases on the market, these contain different ingredients and therefore may not all be compatible with each other

Precautions

- Generally speaking, it is usually advisable to re-lubricate with the same grease.
- If a change of grease is required, then it is important to select a grease type based on the same thickener as previous grease, this will overcome the need to purge the grease from the bearing prior to refilling.
- Thickeners of different structures may lead to breakdown of the lubricant.
- When one grease is being replaced by a different type of grease, anti-friction bearings and grease-ways need to be cleaned before recharging with fresh grease.
- If it is not possible to clean the bearings, then re-lubrication intervals need to be more frequent (say twice as often) until the new grease has completely replaced the previous lubricant. This practice should continue for the next 3-4 applications.

Compatibility Cross Reference Chart

	Sodium	Calcium Soap	Calcium Complex	Calcium Hydroxi-stearate	Aluminium Complex	Lithium Soap	Lithium Complex	Bentone	Polymer	Polyurea
Sodium	◆◆◆◆	◆	◆	◆	◆	◆	◆	◆	◆◆◆◆	◆
Calcium Soap	◆	◆◆◆◆	◆	◆◆◆◆	◆	◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆
Calcium Complex	◆	◆	◆◆◆◆	◆◆	◆	◆	◆◆	◆	◆◆◆◆	◆◆◆◆
Calcium Hydroxi-stearate	◆	◆◆◆◆	◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆
Aluminium Complex	◆	◆	◆	◆◆◆◆	◆◆◆◆	◆	◆◆◆◆	◆	◆◆◆◆	◆
Lithium Soap	◆	◆◆	◆	◆◆◆◆	◆	◆◆◆◆	◆◆◆◆	◆	◆◆◆◆	◆
Lithium Complex	◆	◆◆◆◆	◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆	◆◆◆◆	◆
Bentone	◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆	◆	◆◆◆◆	◆◆◆◆	◆
Polymer	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆
Polyurea	◆	◆	◆◆◆◆	◆	◆	◆	◆	◆	◆◆◆◆	◆◆◆◆
Barium	◆	◆◆◆◆	◆	◆	◆	◆	◆	◆	◆	◆

Compatible	◆◆◆◆
Borderline	◆◆
Incompatible	◆

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