Recommended Oil Lubrication Specification

Use:	Axle hubs with tapered roller bearing
Service Designation:	API-GL-5
Viscosity:	SAE 80W-90
Pour Point:	-18°C (0°F) Maximum
Additives:	Corrosion and oxidation inhibitors, foam inhibitors, EP additives
Compatability:	Must be compatable with nitrile and neoprene seals and polycarbonate plastic oil caps
Approved Sources:	

Company	Product Description
Ashland Oil	Valvoline Dura Blend Valvoline Power Lube
CITGO Petroleum Company	CITGO Premium Gear Oil MP Mystik JT-7 Mystik Power Lube
Exxon Company U.S.A.	Gear Oil GX 80W-90
Kendall Refining Company	Kendall NS-MP Hypoid Gear Lube
Lubriplate Division / Fiske Brothers Refining	Lubriplate APG 90
Mobil Oil Corporation	Mobilube SHC Mobil 1 Synthetic Gear Lube
Phillips 66 Petroleum	Superior Multi-Purpose Gear Oil Philguard Gear Oil Philsyn Gear Oil
Pennzoil Products Company	Gear Plus 80W-90 GL-5 Gear Plus Super 75W-90 Gear Plus Super EW 80W-90 Multi-Purpose 4092 Gear Lube
Oil Center Research	Liquid-O-Ring 750 GX
Sun Refining and Marketing Company	Sonoco Ultra Sonoco Dura Gear
Shell Oil Company	Spirax A Spirax G Spirax HD Spirax S
Texaco Oil Company	Multigear EP Multigear SS
Troco Division / Royal Manufacturing	Multigear Select Gear Oil
Union Oil Company	Unocal MP Gear Lube 76 Triton Syn Lube EP

Bearing Adjustment

9K & 10K General Duty, 10K-15K Heavy Duty Axles:

Correct adjustment for all bearings is .001 to .010 end play.

1. Rotate hub assembly slowly while tightening the inner lock nut to 100 lb-ft. to seat the bearings.
2. Loosen the inner lock nut to remove pre-load torque. **Do not rotate the hub.**
3. Finger tighten the inner lock nut and snug.
4. Back inner lock nut out ¼ to ⅜ turn.
5. Install tang washer and outer lock nut. Bend two tangs over inner lock nut. Torque outer lock nut to 100-150 Ft. Lbs., insuring that the inner lock nut does not turn. Bend 2 tangs over flats on outer lock nut to secure.