

Are you buying lubricants from a company that has  
**more marketers  
 than engineers?**

**New transmission, A/C, and engine technologies require smart lubricant engineering**

New transmission friction materials and pressure settings, higher A/C system friction and thermal loads, tougher engine lubricant shear protection and catalyst compatibility requirements — some lubricant brands don't keep up with OE specifications.

Idemitsu does. We've been making application-specific automotive lubricants since 1911. Idemitsu is the leading lubricant supplier to vehicle manufacturers in Japan, Korea, Europe, and other markets worldwide.

**Idemitsu OW-20 motor oil, ATF, and PAG lubricants meet or exceed OE specifications**



**Idemitsu PAG: Double end-capped technology used by over 80% of OEMs as factory fill**

Aluminum components, tighter tolerances, and reduced capacity in today's A/C systems require a lubricant that offers greater lubricity and moisture protection than ever before.

- Daphne Hermetic double end-capped PAG provides excellent chemical, thermal, and hydrolytic stability
- High Viscosity Index (VI) provides unsurpassed lubricity over a wide temperature range
- Synthetic formula — superior wear protection, meets OE extended service interval requirements

**Idemitsu PAG part numbers:**

- Daphne Hermetic Oil PS: 3421025-049
- Daphne Hermetic Oil PR: 3420025-049
- Daphne Hermetic Oil FD46XG: 3425025-049
- Daphne Hermetic Oil G25X: 3426025-049

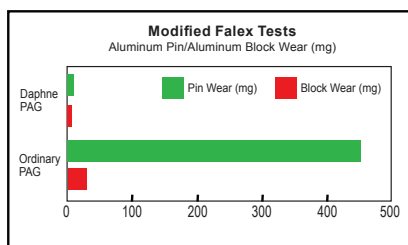


**Idemitsu Daphne Hermetic Oils are approved by:**

- Honda
- Toyota
- Nissan
- Subaru
- Isuzu
- Mercedes Benz
- Hyundai
- Denso
- UD Genuine Parts

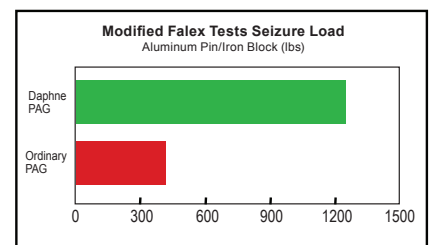
And other OE vehicle and compressor manufacturers

**Superior Wear Protection**



Daphne Hermetic PAG provides far superior wear resistance versus ordinary PAG

**Greater Shear Resistance**



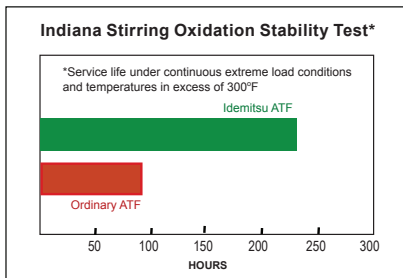
Daphne Hermetic PAG offers greater film strength for better shear resistance than ordinary PAG

## Idemitsu vehicle-specific ATF: Smoother shifting, no shift shudder, longer service life

Each Idemitsu ATF is designed for a specific transmission's unique friction materials and pressure settings.

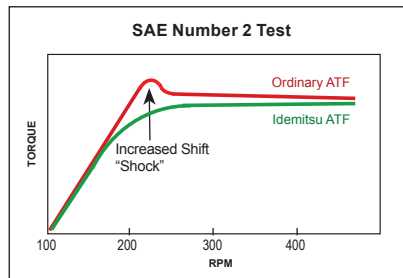
- Meets OE heat, wear, friction specifications
- Meets OE extended service interval requirements

### Longer Service Life



Idemitsu ATF maintains an optimum friction ratio longer than ordinary ATF brands

### Smooth Shifting without Shock



The bump in the Ordinary ATF curve shows an uncomfortable "Shift Shock" that does not occur with Idemitsu ATF



### Idemitsu ATF Type-J

- Engineered for Nissan A/T
- Meets: ATF requirements for Nissan/Infiniti with Matic J specifications

Idemitsu #ATF-TYPEJ-QT



### Idemitsu ATF Type-HP

- Engineered for Subaru 5-speed A/T
- Meets: Subaru 2005 and later ATF requirements

Idemitsu ATF-TYPEHP-QT



### Idemitsu ATF Type-TLS

- Engineered for Toyota/Lexus/Scion A/T
- Meets: ATF Type T-IV specifications

Idemitsu #ATF-TYPETLS-QT

## Idemitsu 0W-20 Full Synthetic Motor Oil: More than just the right viscosity

Motor oils face new requirements for piston and ring cooling, high temperature, high shear (HTHS) performance, variable cam timing and tighter bearing clearances, and catalyst and oxygen sensor compatibility, just to name a few. Idemitsu 0W-20 meets the latest requirements for all 0W-20 specified vehicles.

- The same lubricant technology used by the OEMs as factory fill
- Matches OE specs for engine protection, fuel economy, and extended oil drain

### Idemitsu 0W-20

- For all 0W-20 specified vehicles
- 0W-20 GF-4 meets: API SM / ILSAC GF-4  
Idemitsu #PCS-0W20-QT
- 0W-20 GF-5 meets: API SN / ILSAC GF-5  
Idemitsu #PCS-0W20-QT-GF5

