

RUPEDL E-Ruby

Automotive Products

JWS

Description

E-Ruby JWS is an automatic transmission fluid, which is made from hydrocracked base oils, combined with a special additive. It was developed in collaboration with a major Asian OEM to meet a new factory fill specification. Japanese & Korean transmissions have ATF performance requirements that are quite different from European transmissions, particularly in their emphasis on Anti-shudder Durability. Shudder is the term used to describe the vehicle vibration caused by stick-slip conditions in the torque converter clutch. The ability of an ATF to prevent shudder over time is determined by its Friction Durability — poor friction being the cause of the Shudder.

E-Ruby JWS is used in automatic gears of motor vehicles, power steering, fluid couplings hydrodynamic converters and in hydraulics of passenger- and commercial cars, busses and construction vehicles. Japanese and Korean OEMs do not give formal Service Fill ATF approvals.

E-Ruby JWS is also suitable for Multi-Vehicle applications, combining as it does the requirements of Asian OEMs with: US OEM requirements (DEXRON® IIIH and MERCON® performance levels)

Specifications/Recommendations

Aisin Warner JWS 3309
Honda/Acura Z-1
Hyundai/Kia ATF Red-1K
Hyundai/Kia Genuine ATF
Hyundai/Kia JWS-3309 T4
Hyundai/Kia SP-II / III
Hyundai/Kia P/N U M040 CH-020 Red-1
Idemitsu ATF HP
Idemitsu K17
Isuzu P/N 08200-9001
Isuzu ATF II/III
Isuzu Genuine ATF
Jaso M315, Class 1A, 1A-02

Mazda F-1, JWS 3317
Mazda M-5, P/N XT-9-QMM5
Mazda M-III, Type T-IV
Mitsubishi ATF-J2
Mitsubishi SP, P/N MS991156
Mitsubishi SP-II / III
Nissan/Infinity 402
Nissan/Infinity Matic-D / J / K / W
SSANG YONG DSIH 5M-66
Subaru HP
Subaru P/N K0140Y0700
Suzuki 3314/3317
Toyota/Lexus/Scion Type D-II/T/T-III/T-IV

Typical Properties

| Characteristics | Method | Unit | Value |
|----------------------------|--------------|--------------------|-------|
| Density at 15°C | DIN 51 757 | kg/m ³ | 847 |
| Viscosity at 100°C | DIN 51 562 | mm ² /s | 7,191 |
| Dynamic Viscosity at -40°C | ASTM D2983 | mPa.s | 13100 |
| Pour point | DIN ISO 3016 | °C | -45 |
| Flash point | DIN ISO 2592 | °C | 220 |

We reserve the right to alter the general characteristics of our products in order to let our consumers benefit from the latest technical development..