



TECHNICAL BULLETIN

JASO DL-1 and JASO DH-2

Issue: November 2014

Penrite Enviro Plus DL-1 meets JASO DL-1. Not only does it meet it, it is “on-file” with JALOS (Japan Lubricating Oil Society), as a JASO DL-1 oil. This is their way of saying “registered” or “approved”. The correct terminology however, is on-file.

The same thing has now occurred to Enviro Plus 10W-40 with respect to JASO DH-2. It is now “on-file” with JALOS for JASO DH-2.

These two JASO specifications are low ash specifications or for where engines are equipped with after-treatment devices such as DPFs and catalysts. JASO DH-2 is for heavy-duty use by trucks/buses and JASO DL-1 is for passenger car use.

What models require or list JASO DL-1?

- Mazda3 diesels (also mention using an ACEA C1 but DL-1 is first option)
- Mazda6 diesels (also mention using an ACEA C1 but DL-1 is first option)
- Mazda CX-5 diesels (also mention using an ACEA C1 but DL-1 is first option)
- Mazda CX-7 diesels (also mention using an ACEA C1 but DL-1 is first option)
- Mitsubishi ASX diesels (although other ACEA C oils can be used, they list DL-1)

Enviro Plus DL-1 is also recommended elsewhere for many other models where an ACEA C2 oil is required.

What models require or list JASO DH-2?

- Fuso 2008-11 FP, FS, FV series in Fuso 6M70-6AT2 and 6M70-6AT4 diesel engines (as an also use; DH-2 is not lone spec)
- Hino 300 series 2007-10 in Hino N04C-TE and N04C-TN hybrid diesel engines
- Hino 300 series 2011-13 in Hino N04C-US/ UT diesel engines and N04C-UR hybrid diesel engines (as an also use; DH-2 is not lone spec)
- Hino 500 series 2011-13 in Hino J07E-TI, J08E-TI and A09C-TI engines (DH-2 is listed along with other spec alternatives)
- Hino 500 series 2007-10 in Hino J05D-TG, J08E-TB/TE/UA and A09C-TJ/TK diesel engines. (as an also use; DH-2 is not lone spec)
- Hino 700 series 2011-13 in Hino E13C-VF/VG/WB diesel engines (DH-2 not lone spec)
- Hino 700 series 2007-10 in Hino E13C-TL/TS/US/UY/VA/VS diesel engines (as an also use; DH-2 is not lone spec)
- Nissan UD trucks in Nissan J08-TE/TB diesel engines (DH-2 is listed along with other spec alternatives)

Enviro Plus 10W-40 is also recommended elsewhere for many models that also list other specifications that it meets such API CJ-4, Mercedes MB 228.51, ACEA E6 amongst others.

Remember, these oils are not approved; they are on-file and Penrite is the only oil company that has an oil on-file, for both JASO low ash oil specifications.

Further details on these products are available on their respective product information sheets found on the Penrite web site: www.penriteoil.com.au/products or by using your QR Scanner on your smart phone.

Penrite recommend “The Right Oil for the Right Application”

[Click Here](#) to visit the Penrite Recommendation Guide, which will ensure you receive the correct oil for your vehicle



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