



Dear Competitors,

Starting with the 2022 season of the World Rally Championship, P1 Fuels will be the sole fuel supplier for priority drivers and will be available for any other competitor willing to use this fuel.

The P1 fuel “FossilFree100 WRC (P-RG-007-22)” is a fully sustainable fuel in accordance with the latest Appendix J Article 2.5.9.

With this document we wanted to bring your attention to a few aspects ahead of the event. For clarity the points are listed below :

1 – fuel circuit seal swelling, depending on the material being used. We had a few cases of swelling seals, mostly Viton ones. Two conditions have been identified:

- In the fuel circuit with seals directly in contact with the fuel.
- In connection with the fuel circuit but connected to fuel vapor more than liquid:
 - Seals in the Staubli fuel vent connector
 - Seals in the roll over valves
 - Seals in the sampling connector

For these reasons, we strongly recommend to follow technical requirements (article 62.3) of the FIA Sporting regulations 2023 ([Regulations - FIA World Rally Championship](#)) and usage of the fuel connectors listed in the Technical list No. 5 (<https://www.fia.com/regulation/category/761>).

Please get in touch with Matt Hawkins, motorsport specialist at Staubli, m.hawkins@staubli.com for more detailed information regarding the appropriate connectors and types of seals. Generally, the JKV type seals are recommended to be used at the WRC competitions using FossilFree100 WRC fuel supplied by P1 Fuels.

2 – Oil dilution: if your engine is experiencing oil dilution higher than used to or higher than recommended by the manufacturer, you should apply any fix offered by the manufacturer. It could be to change oil at the end of each day, or at the end of each event for example. The oil dilution can also be reduced or eliminated by the use of special oil types or of oils with higher viscosity grades.

Please do not hesitate to get back to P1 Fuels, if you need any additional information and/or support.

Kindly,

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