

Approval of Lubricant Range Q8 El Greco for Flender Gears

We herewith confirm, that the lubricant range Q8 El Greco is approved for Flender gears regarding Flender specification from 14-09-2001 and fulfills the following requirements:

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| • Compatibility with coating P22-8050 | - compatible |
| • Compatibility with seal 72 NBR 902 (static and dynamic test) | - compatible |
| • Compatibility with seal 75 FKM 585 (static and dynamic test) | - compatible |
| • Compatibility with Loctite 128068 | - compatible |
| • Flender foam test with original oil | - volume increase \leq 15% |
| • Flender foam test together with running in oil Castrol Alpha SP 220 S | - volume increase \leq 15% |
| • Grey staining test FVA 54/II | - GF Load stage \geq 10 |

You guarantee, that these test results of Q8 El Greco are valid worldwide for all gear oils marketed under the brand name Q8 El Greco.

You guarantee further, that the oils have sufficient resistance against degradation, which means, that the oil has to fulfill the above requirements for its whole life-time. For this kind of PAO based synthetic fluid the minimum lifetime is 4.000 operating hours or 4 years, with an average temperature of 80 °C.

The lower tolerance limit is set at load stage 12 of the FZG test regarding DIN 51354-2 and for the grey staining at load stage 10 at 90 °C in accordance with test FVA-54/II. In case of dispute results from an independent institute is mandatory.

On the basis of the test results we recommend the use of Q8 El Greco lubricants in the viscosity range from VG 150 to VG 460 for the use in Flender spur gears, bevel helical gears and planetary gears.

We expect, that any modification, except those, which are in between the product tolerance, will be reported to us immediately.

We point out, that a recommendation does not mean that Flender will undertake a liability for lubricants.

Kind Regards,