

Requested by Q8, Mr. Mark Hensen, Hoogfliet, Netherlands

SKF Filterability Test and Determination of the solid impurities of two gear oils.

Samples: Oil samples Q8 El Greco 320 and Q8 Goya NT 320

SKF Filterability Test: For circulating lubrication oils and gear oils for wind turbines the oil should be filterable.
At the SKF Filterability test an amount of 100ml of the oil sample is filtered through a filter, with 12µm pores, at 80kPa.



picture:
Equipment for Filterability test

Requirement: The oil volume of 100 ml should be filtered within 15 minutes.

Solid impurities: After diluting the oil by organic solvent the mixture is filtered over 1,2 µm Laboratory-filter.
Requirement: < 20 mg/ l

Results:

SKF Filterability Test filter with 12µm pore size at 80kPa	
Q8 El Greco 320 2005-07428	Q8 Goya NT 320 2005-05017
8 ... 9 minutes	13 minutes

Solid impurities	
Q8 El Greco 320	Q8 Goya NT 320
2 mg / Liter	4 mg / Liter

Conclusion:

The tested oils Q8 El Greco 320 and Goya NT 320 show a good filterability when tested in the SKF Filterability test. Also both oils show a good cleanliness.

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