

FASEK QM

Low Temperature Products

QM statement no : LT 11

Date: 1th of July, .2008

This FASEK QM statement refers to the use of low temperature hydraulic oil AMG 10 in electro hydraulic actuators.

- 1) The oil do not have any impact on steel materials used in actuator, tank and piping.
- 2) The heating system, especially the heating cable which is place in the oil will not have any problems being in contact with the oil for long time.
- 3) The sealing materials used in the pressure cylinder and in the solenoids will not be influenced by the oil..

For all materials Fasek did a failure analyse with the producer to evaluate if problems may occur and how to avoid them.

Long time material tests with sealing materials are still running for several month but up till now no problems occurred.

Fasek confirm herewith the good function of the electro hydraulic actuators in low temperature design at temperature up to -60°C together with the low temperature oil AMG 10.

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Related documents: Directive regarding low temperature (-60°C) – LT 10
Evaluation of electro hydraulic actuators at low temperature LT 12