

Groeneveld Autolube Diagnostic Codes

The error codes and warnings of the pump are mapped to a Diagnostic Trouble Code. See table below. Each DTC has one occurrence counter.

Supported are DM1, DM2, DM3, DM11, and DM13 partially.

When the pump has halted only one of the DTC will be pending at the same time.

When the pump has not halted, it is still performing lubrication cycles. However there could be something wrong that may affect the lubrication frequency and or amount of lubrication.

A possible cause may be indicated by one or a combination of the warning codes DTC.

DTC			Type	Function
SPN	Name	FMI		
5522	Lubrication pump outlet line 1 pressure	7		No pressure in outlet A
5523	Lubrication pump outlet line 1 pressure	7		No pressure in outlet B
5524	Unexpected lubrication line 2 pressure	7		Pressure before cycle in outlet A
5525	Unexpected lubrication line 2 pressure	7		Pressure before cycle in outlet B
5519	Lubrication reservoir level	18		Empty grease reservoir
3597	ECU power output supply voltage #1	4		Bad wiring or battery low
5526	Lubrication line pressure	11		Pressure switch circuit
5527	Lubrication pump actuator	5		Lubrication pump open load
5527	Lubrication pump actuator	6		Lubrication pump over current
5528	Lubrication pump outlet valve 1 actuator	5		Open load valve 1
5529	Lubrication pump outlet valve 2 actuator	5		Open load valve 2
5531	Controller internal memory battery	4		Clock battery low

Table 1: Error code mapping to SPN/FMI code

Diagnostic lamp status

The Diagnostic lamp status is not used by the Twin. The value of the lamp status in all of the Diagnostic messages will be Byte 1=0x00 and Byte 2=0xFF.