



Contents

00 - Technical data	1
1 Safety notes	1
1.1 Safety precautions when working on a high-voltage system	1
1.2 Safety precautions when working in the vicinity of high-voltage components	2
1.3 Safety precautions when using testing and measuring instruments during a road test	2
1.4 Safety precautions when working on the cooling system	2
2 Identification	3
2.1 Gearbox identification	3
3 Repair instructions	4
3.1 General repair instructions	4
3.2 Technical data	6
34 - Controls, housing	7
1 Selector mechanism	7
1.1 Assembly overview - selector mechanism	7
1.2 Repairing cable support bracket	9
1.3 Manual release from position P	9
1.4 Removing and installing selector lever handle	10
1.5 Moving push-button in the handle to installation position	14
1.6 Removing and installing selector mechanism	16
1.7 Removing and installing gear selector cable	20
1.8 Checking selector mechanism	26
1.9 Checking and adjusting selector lever cable	27
1.10 Renewing selector shaft seal	30
2 Removing and installing gearbox	34
3 Assembly mountings	35
3.1 Assembly overview - assembly mountings	35
3.2 Removing and installing cross member for three-phase current drive VX54	37
3.3 Removing and installing gearbox mounting	39
3.4 Removing and installing engine mountings	43
4 Transporting gearbox	47
5 Gearbox housing, clutch housing	49
5.1 Removing and installing cap	49
6 Gear oil	52
6.1 Checking gear oil level	52
39 - Final drive - differential	53
1 Oil seals	53
1.1 Overview of fitting locations - oil seals	53
1.2 Renewing left seal	53
1.3 Renewing right seal	56