



7.3 Fluids and lubricants

Fluids and lubricants (overview)

Position	Capacity	Fluid	Specification
Fuel tank	25.0 liters (6.60 gal.)	Diesel fuel	DIN 51601 commercially available, see engine manual
Engine oil with filter TH412cc40 TH412cc35	6.7 liters (1.76 gal.) 5.5 liters (1.45 gal.)	Engine oil SAE 15W40 ambient temperature -20 to +40 °C	API CG-4/API CH-4 see engine manual
Cooling system contents TH412cc40 TH412cc35	8.5 liters (2.24 gal.) 8.3 liters (2.19 gal.)	Water with commercially available HD coolant/antifreeze HD coolant/antifreeze	HD coolant/antifreeze: ASTM D 4985
Front axle	2.5 liters (0.66 gal.)		
Rear axle	2.5 liters (0.66 gal.)		
Transfer gearbox	0.3 liters (0.08 gal.)	Gearbox oil SAE 90 GL 5	API GL 5
Per wheel gear reduction	0.5 liters (0.13 gal.)		
Complete hydraulic system	45.0 liters (11.88 gal.)		
Hydraulic oil reservoir	40.0 liters (10.57 gal.)	Hydraulic oil HLP	ISO VG 46
Grease lubrication points		Multi-purpose grease	Water-resistant

When filling oil, the oil level must reach the marks on the dipsticks or control screws.