

12 Technical specifications

12.1 Hydraulic system

12.1.1 General specifications

Unit	Item	Specification
Hydraulic reservoir 4T1	Maximum capacity [L]	55
	Used capacity [L]	35
	Pressure [bar] (absolute)	0.6
Hydraulic fluid ¹	Type	MIL-H-5606, NATO-H-515 (OM15) MIL-H-83282, NATO-H-537 (OX19) MIL-H-87257, NATO-H-538
	Contamination class (NAS 1638)	4 or better
	Minimum viscosity [cSt]	6
	Maximum temperature [°C]	MIL-H-5606, NATO-H-515 (OM15): 70 MIL-H-83282, NATO-H-537 (OX19): 70 MIL-H-87257, NATO-H-538: 40
	Minimum temperature [°C]	MIL-H-5606, NATO-H-515 (OM15): -32 MIL-H-83282, NATO-H-537 (OX19): -20 MIL-H-87257, NATO-H-538: -32
High-pressure pump 0P2	Output [L/min]	0 to 75 ²
	Output pressure [bar]	25 to 220
	Output pressure at reduced flow [bar]	25 to 240
	Filter	Replaceable filter element
	Filtration [µm]	2 (high collapse)
Boost pump 0P1	Output [L/min]	84
	Filter	Replaceable filter element
	Filtration [µm]	3
Vacuum pump 5P1	Output [L/min]	20
Flow, per system	[L/min]	1 to 60
Flow, total maximum	[L/min]	75 (up to 240 bar)
Supply pressure	[bar]	0 to 240
Return pressure	[bar]	0 to 12

1 The viscosity of fluids changes with their temperature. As the temperature drops, the viscosity increases. This happens especially with hydraulic fluid H-537 (OX19) at very low temperatures. Be careful when you start the unit at low temperatures.

2 When you use hydraulic fluid NATO-H-538, the pump output is maximum 72 L/min. This is caused by the viscosity of the fluid.