

British Hydromechanics Research Association

	Average ISO Code	Ave. Hours Between Breakdowns	Relative Life Factor
	24/21	200	0.19
	23/20	250	0.24
	22/19	325	0.31
*Typical New Oil	21/18	430	0.41
	20/17	600	0.57
*Cat recommended cleanliness level for used hydraulic (or cleaner)	19/16	800	0.76
	18/15	1050	1
	17/14	1400	1.33
*Cat New Oil (minimum)	16/13	1900	1.81
	15/12	2600	2.48
	14/11	3800	3.52
	13/10	5000	4.76
	12/9	6500	6.19
	11/8	9000	8.57
	10/7	20,000	19.05

Arbitrary
base

British Hydromechanics Research Association (BHRA) - three year controlled “field” study of 117 hydraulic machines (injection molding, machine tools, material handling, mobile equipment (earth moving, etc), marine hydraulics, and test stands) with the sole purpose of correlating fluid cleanliness to breakdown frequency

*Information collected by
Oil Transfer Systems

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