



Upper Limits

While upper limits for any piece of equipment should be established after enough historical data is collected, the following are some rules of thumb.

	PUMPS	COMPS	GEARBOXES	ENGINES
IRON	15	10	25-50	50
LEAD	10	5	5	15
COPPER	15	15	15	15
CHROMIUM	--	5	--	10
ALUMINUM	10	5	15	20
NICKEL	5	5	5	5
TIN	10	5	10	10
SILICON	20	15	25	25
WATER	100	100	500	1000
VISCOSITY	10%	10%	10%	10%
DRL	15	10	50	50
TAN	+0.3	+0.3	+0.5	+1.0
TBN	--	--	--	-50%
OXIDATION	--	--	+1	+3
% INSOLUBLES	0.05	0.05	0.5	1.0

Remember, these are only rules of thumb numbers, and upper limits for your equipment may be quite different from these.