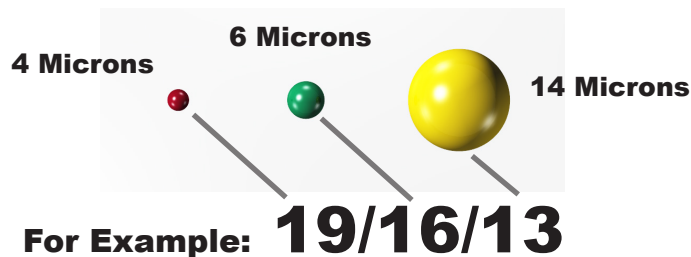


# ISO Cleanliness Code

Long equipment life is a customer expectation from today's hydraulic, fuel, and lubricating systems. Advances in materials and engineering has yielded designs that are very robust when properly used and maintained. Proper liquid filtration is a must to ensure that harmful particulate contamination is removed from the system; but, is your system clean enough? How do you measure cleanliness?

The ISO Cleanliness Code is a standard that is used to quantify the level of particulate contamination in 1ml of liquid. Based on this representative sample, liquid cleanliness is stated as a three digit expression derived from the number of contamination particles at three specific sizes.



The contamination level of the liquid in the container would equate to:  
2,500 up-to 5,000 particles at 4µm and larger, 320 up-to 640 particles at 6µm and larger, and 40 up-to 80 particles and at 14µm and larger **per ml of liquid.**



1ml = approx. 1/5 Teaspoon

Understanding this ISO Code will enable you better quantify the cleanliness of your systems and more accurately provide for your filtration needs.

ISO 4406 STANDARD		
RANGE NO.	MORE THAN	UP TO AND INCLUDING
24	80,000	160,000
23	40,000	80,000
22	20,000	40,000
21	10,000	20,000
20	5000	10,000
19	2,500	5,000
18	1,300	2,500
17	640	1,300
16	320	640
15	160	320
14	80	160
13	40	80
12	20	40
11	10	20
10	5	10
9	2.5	5
8	1.25	2.5
7	.625	1.25
6	.313	.625
5	.156	.313
4	.078	.156
3	.039	.078
2	.0195	.039
1	.0098	.0195