

Number or particles per milliliter		Scale Number
More than	Up to and Including	μm
2500000		>28
1300000	2500000	28
640000	130000	27
320000	640000	26
160000	320000	25
80000	160000	24
40000	80000	23
20000	40000	22
10000	20000	21
5000	10000	20
2500	5000	19
1300	2500	18
640	1300	17
320	640	16
160	320	15
80	160	14
40	80	13
20	40	12
10	20	11
5	10	10
2.5	5	9
1.3	2.5	8
0.64	1.3	7
0.32	0.64	6
0.16	0.32	5
0.08	0.16	4
0.04	0.08	3
0.02	0.04	2
0.01	0.02	1
0	0.01	0

Based on 1 milliliter of fluid, a particle count is analyzed using specific sizes of particles, 4 μm , 6 μm , and 14 μm . These three sizes were selected because it gives an accurate assessment of the amount of silt from 4 μm particles and 6 μm particles, while the number of particles above 14 μm reflects the amount of wear type particles in the fluid.

To interpret the meaning of these results a graph like the one shown would have been consulted. In this example, a rating of 22/18/13 indicates the following: The first number 22 indicates the number of particles greater than or equal to 4 μm in size is more than 20,000 and less than or equal to 40,000, per milliliter. The second number 18 indicates the number of particles greater than or equal to 6 μm in size is more than 1,300 and less than or equal to 2,500, per milliliter. The third number 13 indicates the number of particles greater than or equal to 14 μm in size is more than 40 and less than or equal to 80, per milliliter.