Filtration Test completed on Lakos Separator Model: eJPX-0350

The filter assembly was installed with test components defined as follows:

1) 12” venturi-type flow meter
2) 55 micron disc filter assembly
3) 4” pipe spool with sand-injection pump
4) Separator under test
5) 4” pipe spool
6) 20 micron disc filter assembly

Test Conditions: 580 US gpm, 15.1 psi loss

	Test 1	Test 2	Test 3
Media Sample	45-75 micron: 150 grams Media: Quartz, specific gravity: 2.6, Silicon Dioxide by Powder Technology Inc	22-32 micron: 450 grams Media: Alloy Fe45Si, specific gravity: 5.4, by Sandvik Osprey Powders	22-32 micron: 450 grams Media: Alloy 17-4 PH, specific gravity: 7.8, by Sandvik Osprey Powders
Media Recovery	From downstream filters: 3.1 grams	From downstream filters: 0.9 grams	From downstream filters: 0.2 grams
Filter Efficiency	146.9 / 150.0 = 97.9%	449.1 / 450.0 = 99.8%	449.8 / 450.0 = 99.9%

Test Date: September 4, 2013

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