Filtration Test completed on Lakos Separator Model: eJPX-0560

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

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

Test Conditions: 950 US gpm, 15.5 psi loss

	Test 1	Test 2	Test 3
Media Sample	45-75 micron: 200 grams Media: Quartz, specific gravity: 2.6, Silicon Dioxide by Powder Technology Inc	22-32 micron: 700 grams Media: Alloy Fe45Si, specific gravity: 5.4, by Sandvik Osprey Powders	22-32 micron: 700 grams Media: Alloy 17-4 PH, specific gravity: 7.8, by Sandvik Osprey Powders
Media Recovery	From downstream filters: 7.9 grams	From downstream filters: 7.3 grams	From downstream filters: 2.3 grams
Filter Efficiency	192.1 / 200.0 = 96.1%	692.7 /700.0 = 99.0%	697.7 /700.0 = 99.7%

Test Date: May 8, 2014

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