

Filtration Test completed on Lakos Separator Model: eJPX-0425

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: 750 US gpm, 15.2 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: 9.8 grams	From downstream filters: 11.1 grams	From downstream filters: 5.8 grams
Filter Efficiency	190.2 / 200.0 = 95.1%	688.9 / 700.0 = 98.4%	694.2 / 700.0 = 99.2%

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