

MP 4500A Solution Plus Toner

NATT #: 02071087

OEM #: B2969640

For use in:

AF MP3500/ AF MP4000/ AF MP4001/ AF MP4002
AF MP4500/ AF MP5000/ AF MP5001/ AF MP5002/ 8035
8045/ 9040/ 9050/ 9240/ 9250/ MP4002/ MP5002/ LD040
LD050/ LD140/ LD150/ LD335/ LD345



Background Information and Discussion of Problem:

Toner contaminates the development roller surface, leaving a visible dark gray to black film. While the sleeve is the most noticeably affected component, the carrier particles also become covered with the same film. This buildup causes carrier fouling, leading to a significantly reduced developer life that manifests into heavy toner dusting, small black spots, and large toner droplets on the prints.

Causes:

When certain conditions are met (i.e. high print volume, low humidity, low temperature or high image coverage), toner chargeability becomes decreased. The machine counteracts the issue by increasing toner concentration, ultimately resulting in roller filming and poor image quality. The cause of this issue has been identified in Ricoh®'s technical bulletin D009/D011/D012/D013 – 007.

Solution:

We have modified the raw material properties to create a new formula that provides exceptional image quality and eliminates this failure mode. Testing of NA Trading and Technology's improved toner has shown no development roller filming, minimal dusting and virtually no small spots or toner droplets on the prints for the entire 320k life of the developer. During this test, no cleaning or part replacement was performed to the development assembly.

For maximum effectiveness, developer replacement is recommended at the time of new toner install but is not required.

NA Trading and Technology's improved formula MP 4500A Toner is part of our Solution-Plus series.



To learn more about **NA Trading** and our complete line of **Solution Plus** products, contact a product specialist or visit us online today.

800 231 8434

www.natrading.com