



# FLOE

## First Line OE

A premium friction material suitable for heavy loads as well as over-the-road hauling



# Marathon

BRAKE SYSTEMS

800.223.5201

[www.MarathonBrake.com](http://www.MarathonBrake.com)

# FLOE

## First Line OE

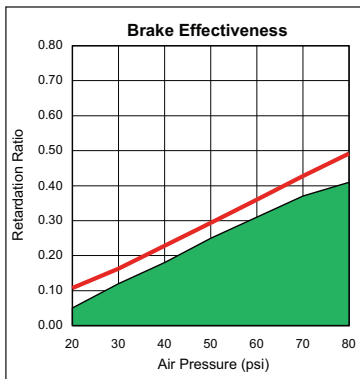
Marathon engineered FLOE to meet OE standards and for tough applications like liquid tanker, grain, cement, or standard duty refuse, as well as over-the-road hauling. FLOE delivers excellent stopping power and resistance to fade. FLOE is a proven formulation that easily meets Federal regulations in accordance with FMVSS 121 test procedure and is rated for 23,000 lb axle loads.

FLOE linings feature the Hi-Density Marathon formulation (detailed at right) that will improve your bottom line through better performance and fewer maintenance headaches.

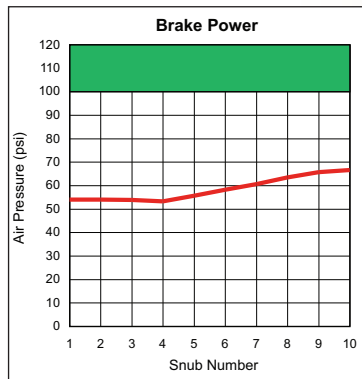
## FLOE Delivers

- A 23,000 lb material for both over-the-highway and vocational applications
- Works on a broad range of applications from severe duty to over-the-road hauling
- Hi-Density formulation for effective heat dissipation
- Dependable stopping performance
- Excellent brake fade and recovery characteristics
- Extremely drum friendly

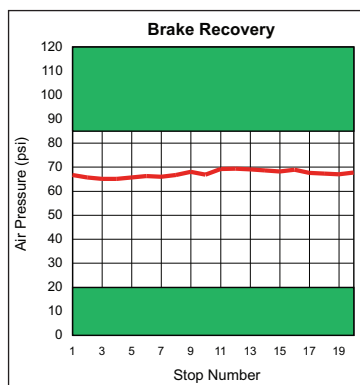
## FMVSS 121 Test Results



Retardation



Fade



Recovery

Testing conducted in accordance with FMVSS 121 criteria @ 23,000 lb axle load: 16 1/2 x 7 inch S-cam air brake; type 30 air chamber and 5.5 inch slack adjuster; and a 19.6 inch tire rolling radius. Shaded area indicates non-compliance.

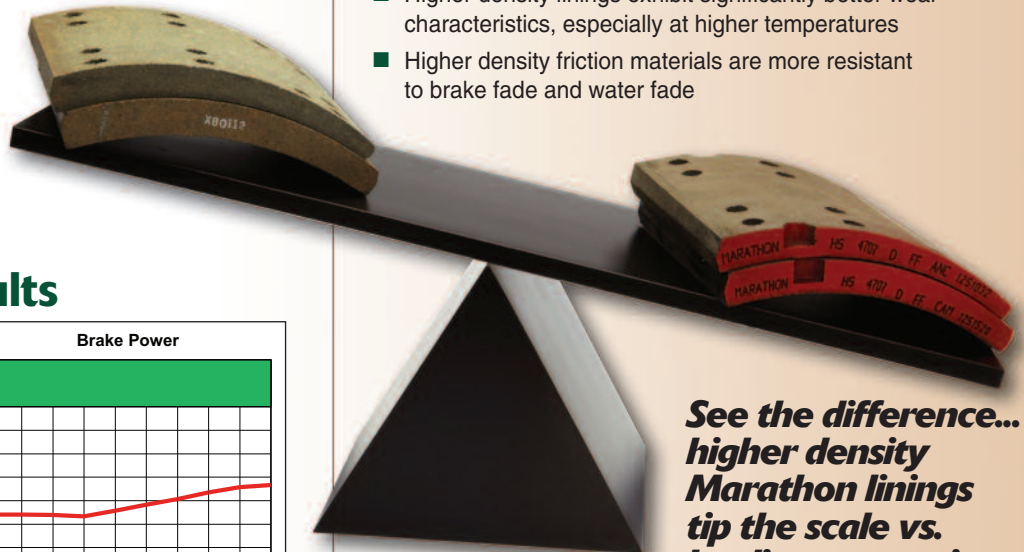
ISO 9001:2008  
ISO 14001:2004



## Hi-Density Friction

One of the most significant design characteristics of any heavy duty brake lining is its density. When higher quality and heavier raw materials are used in a lining's formulation, it creates a higher mass in the block or stated another way, higher density. Truck brakes are designed to convert the energy of a moving vehicle into heat energy. A higher density increases the lining's ability to efficiently handle heat, and is the most critical component in a friction material's fade, recovery and wear.

- Higher density friction materials have the ability to hold more heat energy and therefore more efficiently dissipate the heat
- Higher density friction materials have stronger structural integrity, making them less likely to crack in service, while riveting or due to rust jacking
- Higher density linings exhibit significantly better wear characteristics, especially at higher temperatures
- Higher density friction materials are more resistant to brake fade and water fade



*See the difference...  
higher density  
Marathon linings  
tip the scale vs.  
leading competitor*

**The Marathon Advantage...  
Feel the Difference**

**Marathon**  
BRAKE SYSTEMS



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