

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

VANADIUM CONDITIONER

Fuel Ash Modifier

GUIDE FOR APPROXIMATE DOSAGE RATES

Constituent Rate	Level	Dosage
Conradson Carbon	up to 50%	1:7000
	5% to 10%	1:5000
	10% to 15%	1:4000
	15 % and above	1:3000
Sodium	up to 20 ppm	1:8000
	20-30 ppm	1:6000
	30 ppm and above	1:4000
Sulphur	up to 2%	1:8000
	2% to 3%	1:4000
	3% to 4%	1:3000
	4% and above	1:2000
Vanadium	up to 200 ppm	1:6000
	200 - 300 ppm	1:5000
	300 - 400 ppm	1:3000
	400 ppm and above	1:2000

The combination between the various constituents changes with each bunker supply. It is therefore imperative that dosages are set for the worst case, i.e., the highest value of any of the above fuel oil constituents.