

FUNCTIONAL WA-24 WAY LUBRICANT ADDITIVE

APPLICATION:

FUNCTIONAL WA-24 is used with a tackifier such as **FUNCTIONAL V-178** or **V-188** to prepare way lubes such as those specified by CINCINNATI MILACRON Specification P-47 or P-50. Like way lubes made from other additive packages, **FUNCTIONAL WA-24** provides extreme pressure protection, prevents stick-slip and protects against corrosion of both ferrous and copper alloys. Unlike the others however, those made from **FUNCTIONAL WA-24** are unusually resistant to removal by the detergency of the synthetic coolants and soluble oils present in a way lube environment. Unlike other way lubes, those made from **FUNCTIONAL WA-24** resist emulsification in coolants, and are easily skimmed to permit coolant reuse.

COMPOSITION:

FUNCTIONAL WA-24 is a combination of extreme-pressure additives, friction modifiers and corrosion inhibitors carefully selected for their resistance to alkalinity. Combined with a tackifier, it will provide all the necessary additive components for a way lubricant. **FUNCTIONAL WA-24** is free of zinc dithiophosphates or other zinc compounds.

Typical Properties:	
Appearance	black liquid
Odor	mild sulfurous
Sulfur Content	5.6 %
Specific Gravity	0.95
Lbs per Gallon	7.9
Flash Point	(foams at 110 °C)
Fire Point	150 °C (300 °F), min.
Kinematic Viscosity	90 cSt at 40 °C

TREATMENT LEVEL:

FUNCTIONAL WA-24 should be used at 2% by weight in a Group I ISO 68 base oil to prepare way lubricant of the CINCINNATI MILACRON P-47 type. A tackifier treatment of 0.5% **FUNCTIONAL V-188** or **V-178** is recommended. Paraffinic oil should be used, to resist removal by naphthenic-based soluble oils.

HANDLING:

Safe handling precautions are the same as those to be taken with petroleum-based lubricants; review the current Material Safety Data Sheet before use. Exposure to moisture during storage may cause a slight "skin" to appear. The skin does not interfere with solubility or use, but nevertheless we recommend prevention by storage of open drums under tightly sealed dry conditions. The finished way lube does not skin.

This Technical Data Sheet and the Material Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

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