



NT WAY OILS (Non-Tacky Way Oils)

NT WAY OILS are premium quality lubricants designed for machine tool ways and similar applications where tacky oils are not desired.

NT WAY OILS contain extreme pressure (EP) additives to protect metal surfaces when heavy loads are encountered and to provide maximum wear protection. They also enable **NT WAY OILS** to lubricate equipment where the same oil lubricates both ways and gears.

Furthermore, special lubricity additives give **NT WAY OILS** a low coefficient of friction. This makes **NT WAY OILS** extra slippery to eliminate machine tool way chattering and stick-slip. The result is smoother, more accurate machining, improved tool operation and reduced rejects.

NT WAY OILS do not contain a tackiness additive. This provides improved filterability through sintered bronze bearings and improves shear stability of the fluid.

Another feature of **NT WAY OILS** is their outstanding separation from coolants. They resist washout and readily separate from many coolants when contaminated. In addition, **NT WAY OILS** provide excellent rust and corrosion protection.

BENEFITS:

- PROVIDE EXTREME PRESSURE AND WEAR PROTECTION
- EXCELLENT DEMULSIBILITY FROM COOLANTS, WATER
- ELIMINATE MACHINE TOOL CHATTERING AND STICK-SLIP

APPLICATIONS:

NT WAY OILS are recommended for machine tool ways and slides. They can be used to lubricate chains, bearings, gears, and other applications where these oils are beneficial.

NT WAY OILS can be applied manually or automatically. They are compatible with the seals and materials used in most automatic lubrication systems. Their outstanding flow properties make them suitable for gravity type applicators.

NT WAY OILS meet the requirements of Cincinnati Lamb P-47 (ISO 68) and P-50 (ISO 220) specifications. They also meet the Bijur requirements for filterable way oils.

Lower viscosity grades of **NT WAY OILS** may be used as hydraulic oil, way oil and cutting oil in some applications making it a tri-purpose oil.



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TYPICAL CHARACTERISTICS

ISO Viscosity Grade	32	68	100	220
Product Code	15770	15771	15772	15773
API Gravity (ASTM D-1298)	29.4	28.6	29.4	27.3
Color (ASTM D 1500)*	4	4	4	4
Viscosity (ASTM D-445):				
cSt @ 40°C	31.8	68.3	100	220
cSt @ 100°C	5.41	8.95	11.4	19.4
SUS @ 100°F	164	352	520	1161
SUS @ 210°F	44	56	65	99
Viscosity Index (ASTM D-2270)	104	105	101	100
Pour Point (ASTM D-97) °F (°C)	15 (-10)	-10 (-23)	-10 (-21)	-5 (-21)
Flash Point (ASTM D-92)				
°F	390	430	473	465
(°C)	(200)	(220)	(245)	(240)
Copper Corrosion (ASTM D-130) - 3 hours @ 212° F	1a	1a	1a	1a
Steel Corrosion (ASTM D 665-B)	pass	pass	pass	pass
CM Stick-Slip, Static/Kinetic Ratio	0.78	0.78	0.78	0.78
Meets Cincinnati Lamb	-	P-47	-	P-50

* Color of the way oil will vary depending upon your region. Most regions have this color.

** CINCINNATI LAMB was formerly known as CINCINNATI MACHINE

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.
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