



# SHELL TONNA<sup>®</sup> OILS V

Premium grade oils for lubricating  
machine tool slides and tables

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## Product Description

**Shell Tonna<sup>®</sup> Oils V** are blended from highly refined base stocks and have been fortified with additives to impart excellent lubricity and extreme pressure properties. The high lubricity of **Shell Tonna<sup>®</sup> Oils V** helps reduce friction and drag that can cause stick slip problems and machine tool carriage chatter. They contain a tackiness additive that helps to prevent the oil from being squeezed out of small clearances by heavily loaded machines or running off of both vertical and horizontal ways. **Shell Tonna<sup>®</sup> Oils V** contain rust and corrosion inhibitors to protect machine parts and provide good thermal stability.

## Applications

- machine tool slides and tables
- chains, cables and other parts requiring tackiness
- combination hydraulic oil and machine way lubrication (**Shell Tonna<sup>®</sup> V 32**)
- some combined hydraulic and tableway applications (**Shell Tonna<sup>®</sup> V 68**)
- larger, more heavily-loaded machines (**Shell Tonna<sup>®</sup> V 220**)

## Features/Benefits

- excellent stick-slip performance
- excellent thermal stability
- outstanding extreme pressure performance
- tackiness improving its ability to stay in place

## Approvals

- Cincinnati Lamb P-53 (**Shell Tonna<sup>®</sup> V 32**)
- Cincinnati Lamb P-47 (**Shell Tonna<sup>®</sup> V 68**)
- Cincinnati Lamb P-50 (**Shell Tonna<sup>®</sup> V 220**)
- General Motors LS-2 LW-03-1-00 (**Shell Tonna<sup>®</sup> V 32**)
- General Motors LS-2 LW-06-1-00 (**Shell Tonna<sup>®</sup> V 68**)
- General Motors LS-2 LW-22-1-00 (**Shell Tonna<sup>®</sup> V 220**)

### Typical Properties of Shell Tonna<sup>®</sup> Oils V

	Test Method	ISO Grades		
		32	68	220
Product Code		66517	66518	66519
Gravity, API	D 1298	30.7	28.8	27.0
Color	D 1500	1.5	2.0	6.5
Viscosity:				
@ 40°C, cSt	D 445	31.4	68.3	212
@ 100°C, cSt	D 445	5.51	8.94	18.5
@ 100°F, SUS	(calc)	162	353	1120
@ 210°F, SUS	(calc)	44.7	56.4	94.8
Viscosity Index	D 2270	112	105	97
Flash Point, °F	D 92	400	420	420
Copper Corrosion	D 130	1b	1b	1b
Acid Number, mg KOH/g	D 974	0.5	0.5	0.5
Phosphorous, wt%	X-Ray	0.27	0.27	0.27
Stick/Slip	D 2877	0.8	0.8	0.8
Thermal Stability	Cincinnati Machine	Pass	Pass	Pass
Rust Test	D 665B	Pass	Pass	Pass
Tackiness Additive		Present	Present	Present

#### Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>