



### POWERCUT NS 1000 SERIES PREMIUM METAL WORKING OILS

**POWERCUT NS-1000** premium series oils are blended from selected HVI oils with high performance additive package comprising of sulphur, fat and performance chemicals. These oils are designed for lubrication and cooling of metal surfaces during arduous metal working operations on tough ferrous metals. These products are not recommended for metal working operations on non-ferrous and cuprous metals.

**PERFORMANCE STANDARDS:** BIS: 3065 - 1985  
Upgrade of NEAT TYPE 3

CHARACTERISTICS	POWERCUT NS					
	NS-1012	NS-1018	NS-1024	NS-1032	NS-1037	NS-1040
Specifications	-	Grade I	Grade I	Grade II	Grade II	Grade II
Kinematic Viscosity@40°C, cSt	10-14	15-20	20-25	26-35	35-40	37-42
Flash point, COC, °C, min.	135	160	160	160	160	160
Reactive sulphur @ 100°C, % by mass, min.	0.5 synthetic component	0.5 synthetic component	0.5 synthetic component	0.5 synthetic component	0.5 synthetic component	0.5 synthetic component
Copper strip corrosion at 100°C for 3 hrs.	Staining	Staining	Staining	Staining	Staining	Staining

#### APPLICATION:

- Recommended for severe metal cutting operations e.g. gear cutting, broaching and threading on ferrous metals and alloys.

#### PERFORMANCE BENEFITS:

- Better surface finish
- Longer cutting tool life
- High Weld load characteristics reflecting suitability for arduous machining operations
- Lower wear scar diameter lower
- Effectiveness of machining in relation to cost
- No scope for “drop out” of active sulphur

(Version # 1 April 14<sup>th</sup> 2008)

Disclaimer: APAR makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the products for the application contemplated by the user is solely their responsibility.