ARMOR-PLATE[®] II ES SERIES MULTISERVICE LUBRICANT

Armor-Plate[®] II is formulated to provide a tough lubricant film that offers outstanding water resistance and superior protection to open gears, house rollers and bushings of mining and other equipment.

This TCLP-SAFE lubricant combines a unique solids package with a biodegradable diluent and high viscosity base oils to provide superior extreme pressure protection to valuable machine components. Armor-Plate[®] II ES is available in NLGI grades 1 (stiffest) to 000 (softest). The NLGI 000 grade is suitable for use in Lincoln Automatic Lubrication Systems at temperatures down to $-10^{\circ}F$ (-23°C)

Armor-Plate[®] II ES is formulated with a synergistic blend of solid lubricants and a state-of-the-art, extreme pressure/antiwear additive package. These work together to form a protective plate-like layer on metal surfaces reducing friction and asperity contact.

The organic thickener provides excellent retention that resists sling off, and will not drip or run. The improved retention and superior film strength allow for longer lubrication intervals and reduced consumption. "ES" additive technology provides improved adhesion properties, resulting in outstanding water resistance in exposed areas and superior "Boundary Lubrication" protection under high loads and severe stop/start conditions.

TECHNICAL DATA SHEET

BENEFITS:

- EASY COATING protective matte black film is quickly established and easily maintained.
- WEAR PROTECTION the robust additive system ensures protection from wear on contact.
- LOW CONSUMPTION reduces cost of lubrication.
- PUMPABILITY suitable for use in all climatic conditions.
- APPLICATIONS draglines, shovels, open gears of rotary equipment.

ASTM #		TYPICAL CHARACTERISTICS				
	NLGI Grade	000	00	0	1	
D-445	Kinematic Viscosity (Base Oil)					
	cSt @ 40°C	2,200	2,200	2,200	2,200	
	cSt @ 100°C	72.8	72.8	72.8	72.8	
Gardner Method	Density , lb/gal @ 60°F (15.5°C)	8.40	8.50	8.57	8.60	
D-2596	Four Ball EP					
	Weld Point, kg					
	with diluent	500	500	500	500	
	without diluent	620	620	620	620	
	Load Wear Index					
	with diluent	78	78	78	78	
	without diluent	90	90	90	90	
D-2266	Four Ball Wear					
	Scar Width, mm	0.70	0.70	0.70	0.70	
D-4048	Copper Strip Corrosion	1A	1A	1A	1A	
Modified	212°F (100°C) @ 3 hr					
	Thickener Type	Organo Clay	Organo Clay	Organo Clay	Organo Clay	
OEM	Low Temperature Pumpability				/	
Standard	Lincoln Ventmeter @ 400 psi, °F (°C)	-10 (-23)	10 (-12)	25 (-4)	NA	

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Drums

Kegs Pails

THE WHITMORE MANUFACTURING COMPANY

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