

## TECHNICAL DATA SHEET



### BIG RED NON-MELT EP GREASE

**BIG RED Non-Melt EP Grease** is specially formulated from the highest quality paraffinic base oils and an inorganic base substance to withstand extreme pressures and temperatures yet will maintain good shear stability and long life. It is one of the few greases able to withstand heavy shock load and impact pressures of 55 Timken load capabilities.

*BIG RED* holds an advantage over conventional greases due to the addition of a specially formulated EP additive. It is used extensively in hot areas where conventional greases run, cake and melt. Even at temperatures over 1100°F, *BIG RED* stays tacky and in place and never melts.

Due to a patented combination of natural base stocks and synthetic additives, *BIG RED* has a clinging tacky substance which adheres to metal surfaces. It provides a slow but steady bleed of oil which continues to provide an even lubrication under the most demanding conditions.

#### **Benefits/ Advantages:**

- Extreme protection – stays tacky & in place at temperatures over 1100°F
- Exhibits long life and shear stability
- Exceptional anti-wear properties
- Contains special rust and corrosion inhibitors
- Will not ‘throw off’ or ‘sling off’ at high speeds
- Excellent load carrying capacity – 55 Timken load
- High shock and impact resistance
- Strong resistance to oxidation, acids, water, weather, dirt, dust, salt and steam
- Seals out dirt, dust and contaminants to prolong life of metal parts

#### **CHEM AND LUBE**

3 Foxfire Lane Clinton, NJ 08809 • 908-455-1984  
• Email: [info@chemandlube.com](mailto:info@chemandlube.com) • chemandlube.com



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### Applications:

- Steel Mills – blast furnace, hot strip mills, coke works, electric furnace, soaking pits, river screens, traveling screens
- Paper Mills, cement plants, sewage plants
- Heavy equipment – construction, farm, automotive, aircraft, marine, mining, air conditioning, oil fields

<b><u>PROPERTY</u></b>	<b><u>METHOD</u></b>	<b><u>RESULTS (#1)</u></b>	<b><u>RESULTS (#2)</u></b>
NLGI Grade	NLGI	No. 1	No. 2
Thickener Type	Infrared	Bentonite Clay	Bentonite Clay
Color	Visual	Red	Red
Texture	Visual	Smooth and Tacky	Smooth and Tacky
Water Content; %	D 128	0.25 max.	0.25 max.
Penetration; 60 xx	D 217	310 - 340	265 - 295
Penetration; 10,000 xx	D 217	360 max.	310 max.
Oxidation (PSI Drop @ 100 hrs.)	D 942	3.0 typ.	3.0 typ.
Wheel Bearing Leakage; g	D 1263	1.0 typ.	1.0 typ.
Water Washout @ 100° F, %	D 1264	10.0 typ.	10.0 typ.
Water Washout @ 175° F, %	D 1264	3.0 typ.	3.0 typ.
Dropping Point; °C (°F)	D 2265	None	None
Timken OK Load; lbs.	D 2509	55 min.	55 min.
Oil Separation; %	FTM 321.3	0.5 typ.	0.5 typ.
<b>Base Oil Data:</b>			
cSt. @ 40° C	D 445	220 typ.	220 typ.
SUS @ 100° F	D 2161	1150 typ.	1150 typ.
cSt. @ 100° C	D 445	18.1 typ.	18.1 typ.
SUS @ 210° F	D 2161	92.5 typ.	92.5 typ.
Viscosity Index	D 2270	90 typ.	90 typ.
Color; ASTM	D 1500	2.0 typ.	2.0 typ.
API Gravity	D 1298	23.8 typ.	23.8 typ.
Density, lbs/gal	D 1298	7.59 typ.	7.59 typ.
Specific Gravity, g/ml	D 1298	0.911 typ.	0.911 typ.
Pour Point, °C (°F)	D 97	-23 (-10) max.	-23 (-10) max.
Flash Point, °C (°F)	D 92	210 (410) typ.	210 (410) typ.

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