

THERMAL-LUBE

100% SYNTHETIC TIRE & PAD
LUBRICANT WITH GRAPHITE FOR
ROTARY KILNS

XL0854

June 2022

XL0854 is a custom blend of **synthetic polymers** and performance enhancing additives expressly designed to slowly evaporate at high temperatures leaving **absolutely no abrasive residues**.

XL0854's specially formulated additives including **high concentrations of solid boundary lubricants** are designed to lubricate tires and pads under the most severe and critical operating conditions.

XL0854 Will reduce friction, thereby reducing:

- Tire & pad wear
- Kiln "creepage"
- Flexing of the kiln shell
- Shell ovality
- Replacement of tire shell sections.

XL0854 has been used successfully at operating temperatures from -40°C to 600°C.

| TYPICAL SPECIFICATIONS | | | | | |
|---|-------------------------------------|-------|-------|-------|-------|
| Product Code: XL0854 | /000 | /001 | /002 | /003 | /004 |
| N.L.G.I. Grade: | 0 | 1 | 2 | 3 | 4 |
| Penetration @ 25°C (ASTM D217) | 360 | 365 | 265 | 240 | 180 |
| After 60 strokes | 365 | 331 | 268 | 240 | 185 |
| After 10,000 strokes | 367 | 335 | 273 | 247 | 185 |
| After 60,000 strokes | 372 | 343 | 275 | 255 | 200 |
| Dropping Point (°C) (ASTM D2265) | None | | | | |
| Copper Strip Test (163°C for 3 hours) (ASTM D130) | Negative | | | | |
| Texture | Adhesive/Tacky | | | | |
| Colour | Black | | | | |
| Timken OK Load (kg/lbs) (ASTM D2509) | 40/90 | 40/90 | 40/90 | 40/90 | 40/90 |
| Type of thickener | Inorganic | | | | |
| Oil Separation (24hrs @ 25°C) (ASTM D1742) | < 1% | < 1% | < 1% | < 1% | < 1% |
| Additives | Graphite, Anti-rust, Anti-corrosion | | | | |
| Temperature Range (°C) | -40 to 600 | | | | |
| Maximum Intermittent Temperature (°C) | 650 | | | | |
| Minimum Temperature (°C) | -40 | -40 | -30 | -15 | 0 |
| Base Oil Viscosity (cSt @ 100°C) (ASTM D445) | 200 | | | | |



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