

Technical Data Sheet: Tranzmile hammer grease — *extreme*

Tranzmile hammer grease - *extreme* is a product that has been specifically formulated for application in hydraulic hammers and rock breakers where lubrication, hammer protection, anti-spatter, adhesion and rust prevention is paramount. Hammers and tools are exposed to extreme shock-loads, extreme pressure and very high abrasive wear, whilst operating in wet or dusty and hot hostile environmental conditions often in extreme pH and salt levels in the presence of water. Its extreme properties impart multi-functionality also to pile driving and crane jib applications, in fact most outside, hostile environments that require adhesion, protection and shock-load performance

Tranzmile hammer grease - *extreme* provides incredibly high levels of adhesion to the hammer, tools and peripheral hardware due to its clever tacky polymer components, higher consistency and rust inhibitors that impart supreme anticorrosion protection whilst exposed to the harsh nature of rock and pavement breaking. The ever changing nature of the rock strata can cause a number of issues. Lubrication of the hammer is paramount and **Tranzmile hammer grease - *extreme*** contains a number of properties that ensure that hammer head assembly lubrication is relentless, even in hard rock and harsh environment high duty cycle situations. Wet environments don't present the problem from which typical hammer greases suffer. The polymers, thickeners and consistency of **Tranzmile hammer grease - *extreme*** actually perform well with its extremely high adhesiveness which provides tremendous rejection of water - whether alkaline or acidic. No matter what the salt loading of the ground water, corrosion protection is resolute.

Consistent operating temperature ranges are from -20 deg C to 150 deg C + (higher temperatures are tolerable for short periods and particularly if the product has been applied liberally or re-applied when possible)

That **Tranzmile hammer grease - *extreme*** has such adhesive and water rejection properties, the environmental impact of such a product is minimal, without suffering the downside issues of bio-degradable products. The product is classified as non-hazardous and does not contain metals such as zinc or heavy metals, chlorine, nitrite, barium or other elements that could interfere with the plant, cleanliness or the environment.

Storage of hammers and tools which have had **Tranzmile hammer grease - *extreme*** applied, exhibit supreme corrosion control when compared with typical hammer greases. In fact, when left out in the field for some time the hammers visibly display a much cleaner and corrosion free surface condition. This provides ongoing relentless protection of your valuable investment, even when they are not in use, or in-transit.

Tranzmile hammer grease - *extreme* : quality, performance, reliability and dependability - because it has to be.

Tranzmile: hammer grease - *extreme* - Typical Properties (October 2010)

- NLGI Number 3 - smooth, very tacky
- Thickener Lithium 12 hydroxysterate
- Colour Dark brown
- Worked penetration 237 - ASTM D217-02
- Drop Point >200 deg C - ASTM D2265-06
- Boiling Point >316 deg C
- Oil Viscosity ISO VG 150 @ 40 deg C ASTM D2422-97
- 4 Ball wear weld load 250 kg
- Water washout < 1% by weight.

(As a consequence of continued product research, development and formulation improvement, this information is subject to change. Check date of publication for latest specifications).

"heavy duty gear for heavy duty applications"