Jaw Crusher Lubrication Specification (MP-CTG-ES7)

Revision Status

Issue	Details of amendment	Issue Date
00	Original Issue	02/05/2013
01	Typographic error on high viscosity compatibility table	24/11/2014

Page Left blank

STANDARD VISCOSITY OPTION:

- GRADE: **NLGI 2**
- TYPE: **EP2 GREASE** (No Solid Lubricants)
- BASE OIL TYPE: **MINERAL**
- THICKENER TYPE: **LITHIUM SOAP** (*LITHIUM COMPLEX can also be considered if supplier guarantees compatible and approved by TEREX*)
- BASE OIL MINIMUM VISCOSITY (DIN 51561-1) @ 40°C (104°F) = **220 mm²/s**
- BASE OIL MINIMUM VISCOSITY (DIN 51561-1) @ 100° (212°F) = **17 mm²/s**
- ADVISED OPERATING TEMPERATURE: **-25°C to +130°C**

Additional typical Information:

- DROP POINT (DIN ISO 2176) **≥177°C**
- WORKED PENETRATION (DIN ISO 2137 - 60 Strokes, 0.1mm) = **265-295**
- 4 BALL WELD LOAD (DIN 51350) = **≥2400N**

*****IMPORTANT: GREASE MUST NOT CONTAIN SOLID LUBRICANTS SUCH AS MOLYBDENUM DISULPHIDE*****

*****WARNING: INCORRECT GREASE AND/OR LUBRICATION SCHEDULES CAN CAUSE PREMATURE WEAR OR DAMAGE TO BEARINGS*****

Grease Compatibility Chart (guidance only – please discuss with suppliers)

TYPE OF THICKENER / SOAP	LITHIUM	CALCIUM	LITHIUM COMPLEX	CALCIUM COMPLEX	CALCIUM SULPHONATE COMPLEX
LITHIUM	+	0	+	-	+
CALCIUM	0	+	+	-	+
LITHIUM COMPLEX	+	+	+	+	+
CALCIUM COMPLEX	-	-	+	+	+
CALCIUM SULPHONATE COMPLEX	+	+	+	+	+
+ = Compatible		0 = Test Required		- = Incompatible	

PLEASE AVOID MIXING GREASE TYPES ON INSTALLATION ONCE SELECTED

HIGH VISCOSITY OPTION:

NOTE: Consult with Terex Crusher Technology Group before selecting this option

- GRADE: **NLGI 2**
- TYPE: **EP2 GREASE** (No Solid Lubricants)
- BASE OIL TYPE: **MINERAL**
- THICKENER TYPE: **CALCIUM SULPHONATE COMPLEX** (*LITHIUM COMPLEX & CALCIUM COMPLEX CAN ALSO BE CONSIDERED IN LIEU*)
- BASE OIL MINIMUM VISCOSITY (DIN 51561-1) @ 40°C (104°F) = **350 mm^2/s**
- BASE OIL MAXIMUM VISCOSITY (DIN 51561-1) @ 40°C (104°F) = **460 mm^2/s**
- BASE OIL MINIMUM VISCOSITY (DIN 51561-1) @ 100° (212°F) = **25 mm^2/s**
- ADVISED OPERATING TEMPERATURE: **-20°C to +150°C**

Additional typical Information:

- DROP POINT (DIN ISO 2176) **≥220°C**
- WORKED PENETRATION (DIN ISO 2137 - 60 Strokes, 0.1mm) = **265-295**
- 4 BALL WELD LOAD (DIN 51350) = **≥4800N**

*****IMPORTANT: GREASE MUST NOT CONTAIN SOLID LUBRICANTS SUCH AS MOLYBDENUM DISULPHIDE*****

*****WARNING: INCORRECT GREASE AND/OR LUBRICATION SCHEDULES CAN CAUSE PREMATURE WEAR OR DAMAGE TO BEARINGS*****

Grease Compatibility Chart (guidance only – please discuss with suppliers)

TYPE OF THICKENER / SOAP	LITHIUM	CALCIUM	LITHIUM COMPLEX	CALCIUM COMPLEX	CALCIUM SULPHONATE COMPLEX
LITHIUM	+	0	+	-	+
CALCIUM	0	+	+	-	+
LITHIUM COMPLEX	+	+	+	+	+
CALCIUM COMPLEX	-	-	+	+	+
CALCIUM SULPHONATE COMPLEX	+	+	+	+	+
+ = Compatible		0 = Test Required		- = Incompatible	

PLEASE AVOID MIXING GREASE TYPES ON INSTALLATION ONCE SELECTED