October 8, 2009

**JCI Crusher Lubrication Oil Specifications PSM091008**

**Introduction**

This Parts and Service Memo is to inform you of recent changes required for the lube oil on JCI crushers. The following information will cover the required oil type, oil change frequency and oil analysis. Please insure all of your customers are aware of these requirements and recommendations. If you have further questions please contact JCI Service Department at 1-866-875-4058.

**Crusher Lubrication Oil Specifications**

**Required Oil Type**

The oil installed at the factory is Mobilgear XP600 150, a premium grade ISO 150 gear oil with extreme pressure additives specially formulated to minimize pitting and extend bearing and gear life. **JCI requires use of Mobilgear XP600 or Mobilgear SHC150 synthetic oil throughout the warranty period.** In the past we allowed changing to higher and lower viscosity oil to account for ambient temperature changes. Kodiak crushers are equipped with heaters which can be used in cold weather applications and the Mobilgear SHC150 synthetic oil could be a substitute in extreme ambient temperatures. The key issue is keeping the lube oil at or below 180°F. We have found that the Mobilgear XP600 best suits this requirement for all applications. We also feel the lubricating characteristics of this oil exceeds all other brands for our crusher operation. **Therefore warranty claims on new crushers and/or replacement bearings where there is any question regarding lubrication will be denied if other lubricants are used.** These oils are available from Exxon/Mobil jobbers throughout the world. To find a distributor in your area call 1-800-443-9966 or 1-800-662-4525.

The e-mail contacts are as follows:

- tsc.americas@exxonmobil.com
- For Europe: TechDeskEurope@ExxonMobil.com
- For Africa and Middle East: TechDeskAME@ExxonMobil.com
- For China: PRCLubeline@exxonmobil.com
- For Japan: CRCLubeline@exxonmobil.com
- For South Pacific: Lubeline@exxonmobil.com

**Note:** If your area does not have an Exxon/Mobil distributor please contact JCI Service Department at 1-866-875-4058.

**Lubrication Oil Change Frequency**

The lube oil change frequency remains the same. The lubrication oil should be changed within 250 hours following the crusher initial startup and then at least once for every 500 hours of operation. Whenever the lubrication oil is changed the filter should also be changed. The bypass indicator also signals that the filter should be changed.

**Lube Oil Analysis**

JCI recommends sending samples in to be analyzed every 250 hours to monitor the condition of the lubricant and the effects of wear over time. Comparing samples over time can uncover trends or detect the sudden presence or increase of a contaminant or wear product that indicates something new is happening with the crusher.