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625 Commerce Center Drive
Fairfield, OH 45011
P: 513.863.4758
F: 513.863.3846

innovation@westernstates.com
www.westernstates.com

FIELD SERVICE BULLETIN

REVISED GREASE LUBRICATION REQUIREMENTS

Date: May 5, 2009

To: All Customers of Grease Lubricated Continuous Centrifuges

Subj: **REVISED GREASE LUBRICATION REQUIREMENTS**

All Continuous Centrifuges designed and manufactured with grease lubricated bearing housings between 2006 and 2008 are subject to this bulletin. Continuous Centrifuges manufactured in 2009 and later have these revised procedures incorporated into their manuals.

The bearing lubrication procedure in the operation and maintenance manual of applicable centrifuges should be disregarded and a copy of this bulletin should be filed in the maintenance section of your existing manuals.

REVISED LUBRICATION PROCEDURE

Bearings should be greased with SKF LGWA2, EXXON UNIREX S2, or equivalent grease observing the quantity and periodicities in the following tables.

TITAN 1100 (8 point suspension, no jackshaft)

| Basket Speed | Lower Bearing Quantity | Upper Bearing Quantity | Jackshaft Quantity | Grease Interval |
|--------------|------------------------|------------------------|--------------------|-----------------|
| 1750-1950 | 0.7 oz. | 1.6 oz. | N/A | 30 days |
| 1300-1500 | 0.7 oz. | 1.6 oz. | N/A | 45 days |

CC-6 or TITAN 1100 (3 point suspension, with jackshaft)

| Basket Speed | Lower Bearing Quantity | Upper Bearing Quantity | Jackshaft Quantity | Grease Interval |
|--------------|------------------------|------------------------|--------------------|-----------------|
| 1750-1950 | 0.9 oz. | 1.2 oz. | 1.6 oz. | 45 days |
| 1300-1500 | 0.9 oz. | 1.2 oz. | 1.6 oz. | 60 days |

TITAN 1300 or TITAN 1400 (3 point suspension, with jackshaft)

| Basket Speed | Lower Bearing Quantity | Upper Bearing Quantity | Jackshaft Quantity | Grease Interval |
|--------------|------------------------|------------------------|--------------------|-----------------|
| 1750-1950 | 0.9 oz. | 1.2 oz. | 2.4 oz. | 45 days |
| 1300-1500 | 0.9 oz. | 1.2 oz. | 2.4 oz. | 60 days |

Any questions on these revised procedures should be addressed to the WSMC Field Service Department at 513-863-4758 or service@westernstates.com.