



EHS-Phos Program Mobile Cranes Appendix E Concentrates Standard Lift Plan Form

(To be filled out prior to lift.)

Date ____/____/____ Operator: _____ Crane Make: _____ Model: _____

Operator Qualified on crane? Yes No Facility: _____ Area: _____

Job Description: _____ Operator Signature: _____

WEATHER CONDITIONS:

Day Night Clear Cloudy Lightning Raining Restricted Visibility

Estimated wind speed: _____ (No operations in winds above 20 mph)

GROUND CONDITIONS:

Asphalt Concrete Other _____ Type of Soil _____

OUTRIGGERS / CRAWLERS:

Fully extended Other: _____

WIRE ROPE:

Line Pull: _____ Parts of Line: _____

MATS / CRIBBING / DIMENSIONS:

Yes No Type: Wood Composite Metal Other Dimensions: _____

CRANE CONFIGURATION:

Jib / Extensions: Stowed Erected N/A

Load Moment Indicator (LMI) programmed correctly? Yes No

LOAD WEIGHT:

Actual Estimated

Complete the following using worst case scenario calculations (Consider boom length, radius, weight)

Boom configuration from load chart as per manufacturer

	Lift 1	Lift 2	Lift 3	Lift 4	Lift 5
Boom length					
Radius					
Load weight provided					
Load weight actual or estimated?					
Gross Load (use table below to calculate)					
Gross Capacity					
Percentage of Gross Capacity (Gross Load ÷ Gross Capacity = %)					
Actual LMI					

LOAD & ACCESSORIES	WEIGHT
LOAD WEIGHT	
AUX BALL	
MAIN BLOCK	
JIB	
EXTENSIONS	
AUX BOOM HEAD	
RIGGING	
CRANE WIRE ROPE	
OTHER _____	
OTHER _____	
OTHER _____	
GROSS LOAD TOTAL (ADD ALL ABOVE ITEMS)	

A CRITICAL LIFT PLAN IS REQUIRED IF ANY OF THE CRITERIA BELOW ARE MET:

- The gross load being lifted or the actual LMI weight exceeds **75%** of the gross capacity.
- For a lift involving more than one crane.
- Lift within 20 feet of energized power lines (See [Mobile Cranes Program](#) - 4.7)
- Lift within 8 feet of railroad tracks centerline (See Mobile Cranes Program 4.8)
- Hoisting personnel (**Permit required**. See Mobile Crane Program - [Appendix B](#))
- Lifting over tanks or pressure vessels containing ammonia, sulfuric acid, gasoline, diesel, fuel-oil, or propane.
- When management determines it is required.

Is this a critical lift? Yes No

If YES, a Critical Lift Plan is required – attach this plan to the Critical Lift Plan.