

Component	Oil / Grease	Lubricant	Spec Sheet	Method	Frequency	Remarks
Counterweight Ropes & Guides						
Main Counterweight Ropes	Grease	Texaco Crater Fluid M	3	Drip Trays	Twice / Year	Corrosion Protection
Auxiliary Counterweight Ropes	Grease	Texaco Crater Fluid M	3	Hand Swab	Twice / Year	Corrosion Protection
Main Counterweight Guides	Grease	Texaco Starplex Premium 1	9	Hand	Every 6 Weeks	
Auxiliary Counterweight Guides	Grease	Texaco Starplex Premium 1	9	Hand	Every 6 Weeks	
Auxiliary Counterweight Hitch Ass'y	Grease	Texaco Starplex Premium 1	9	Grease Gun	Monthly	
Auxiliary Counterweight Sheaves	Grease	Texaco Starplex Premium 1	9	Grease Gun	Monthly	
Main Counterweight Sheaves						
SKF Spherical Roller Bearings	Grease	NFO Technologies K-55/EPV Sodium Base	1	Hand	Every 4 Years	Do Not Overlubricate, Open Cover and Apply Grease as Necessary by Hand
Span Drive Mechanism						
Main Motor Bearings	Grease	Texaco Polystar RB 2	6	Hand re-pack or use Grease Fitting	Approx Every 2 Years Small Amount as Necessary	Get Instructions from Westinghouse Do Not Overlubricate
Thruster Brake						
Tank	Oil	Esso Univis J13 Hydraulic Oil	2	Maintain Oil Level	Change Oil Every 2 Years	See Parts Manual
Linkage	Oil	Texaco Havoline 10W30	4	Oil Can	As Required	
Flexible Couplings						
Hamilgear 5F	Grease	Texaco Starplex Premium 1	9	Hand	Re-pack Every 2 Years	
Falk Steelflex 18PT	Grease	Texaco Starplex Premium 1	9	Grease Gun & Hand	Re-pack Each Year	
Falk Brakewheel 14BW	Grease	Texaco Starplex Premium 1	9	Grease Gun & Hand	Re-pack Each Time Coupling Opened, Every 2 Years Max	
First Reduction Gearbox	Grease	Texaco Texclad 2	10	Hand Swab	Weekly	
Shaft Bearings	Grease	Texaco Starplex Premium 1	9	Grease Gun	Weekly (Low-Speed Shafts)	Twice / Week (High-Speed Shafts)
Second Reduction & Equalizer	Grease	Texaco Starplex Premium 1	9	Grease Gun	Monthly	
Sheave Racks & Pinions	Grease	Texaco Texclad 2	10	Hand Swab	Weekly as Needed	
Auxiliary Control Drives						
Branch Gear Train	Grease	Texaco Texclad 2	10	Hand Swab	Weekly	
Mitre Gearbox Boston R137	Oil	Texaco Meropa 320	5	Maintain Oil Level	Change Oil Every 5 Years	
Universal Joints	Oil	Texaco Havoline 10W30	4	Oil Can	Monthly	
Speed Distribution Box (North Tower)	Oil	Texaco Vanguard 460	11	Maintain Oil Level	Change Oil Every 5 Years	4 litres
Bearings	Grease	Texaco Starplex Premium 1	9	Grease Gun	Twice / Year	Apply Very Sparingly
Position Transmitter (Pilot Generator)	Grease	Texaco Starplex Premium 1	9	Hand	Re-grease Ball Bearings Every 2 Years	
Main Cam Limit Switch		Pre-lubricated & Sealed		None		
Skew Limit Switch		Pre-lubricated & Sealed		None		
Auto-leveling Transmitter		Pre-lubricated		None		
Position Transmitter (Skew & Height)	Grease	Texaco Starplex Premium 1	9	Grease Gun	3 Times / Year	
Flexible Couplings						
Boston		None Needed				
Nyflex		None Needed				
Speed Distribution Box (South Tower)	Oil	Texaco Vanguard 460	11	Maintain Oil Level	Change Oil Every 5 Years	10 litres
Bearings	Grease	Texaco Starplex Premium 1	9	Grease Gun	Twice / Year	Apply Very Sparingly
Pilot Generator Gearbox	Oil	Texaco Vanguard 460	11	Maintain Oil Level	Change Oil Every 5 Years	
Bearings	Grease	Texaco Starplex Premium 1	9	Grease Gun	Twice / Year	Apply Very Sparingly
Pilot Generator	Oil	Texaco Rando HD 68	7	Oil Can	Twice / Year	Remove Plugs to Oil
Centrifugal Switches (Span Speed)						
Shaft		Pre-lubricated		None		
Linkages	Oil	Texaco Rando HD 68	7	Oil Can	Twice / Year	Apply Very Sparingly

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Span Guide Brackets Guide Roller Bushings	Grease	Texaco Starplex Premium 1	9	Grease Gun	Monthly	
Air Buffers						
Inside Air Cylinder	Oil	Texaco Havoline 10W30	4	Inject Through Top Plug	Monthly	
Plunger	Oil	Texaco Havoline 10W30	4	Hand Application	Weekly	Clean & Rotate Weekly
Span Locks						
Motors 5 hp	Grease	Texaco Polystar RB 2	6	Factory Packed	Re-packing Not Necessary for Life of Bearing	
Disc Brake Linkage						Sealed
Flexible Coupling Falk 6F	Grease	Texaco Starplex Premium 1	9	Grease Gun & Hand	Re-pack Yearly	
Gear Reducer	Oil	Texaco Meropa 320	5	Maintain Oil Level	Change Oil Every 5 Years	
Gear Sector	Grease	Texaco Texclad 2	10	Hand Swab	Monthly	
Shaft Bearings	Grease	Texaco Starplex Premium 1	9	Grease Gun	Every 2 Weeks	
Locking Arm Pins	Grease	Texaco Starplex Premium 1	9	Grease Gun	Every 2 Weeks	
Spud & Guides	Grease	Texaco Starplex Premium 1	9	Hand Application	Every 2 Weeks	
Limit Switch		Pre-lubricated		None		
Span Seat & Centering Devices						
Lift Span Saddle Seat (South End)	Grease	Texaco Starplex Premium 1	9	Hand Application	Weekly	
Rocker Expansion Support (North End)	Oil	Texaco Havoline 10W30	4	Hand Application	Monthly	Lift Span approx 1 ft. Apply Oil Both Sides of Pin & Rock Casting to Increase Penetration.
Centering Device (Both Ends)	Grease	Texaco Starplex Premium 1	9	Hand Application (Brush)	Every 2 Weeks	
Power-Diesel Generator						
Engine Crankcase	Oil	Texaco Havoline 10W30	4	Circulating Oil System		See Booklet of Operation & -Maintenance Manuals for Instructions
Lighting Generator						See Booklet of Operation & Maintenance Manuals for Instructions
Gates						
Barrier Gates B&B ABC-26						See Instructions on Door Panel
Traffic Gates B&B VT-66 Mechanism	Oil	Texaco Regal R&O 220	8	Maintain Oil Level		Remove Pedestal Rear Panel to Access
Connecting Rod Ends	Grease	Texaco Starplex Premium 1	9	Grease Gun	Every 6 Months	
Main Arm Shaft & Sidewalk Arm Shaft	Oil	Texaco Regal R&O 220	8	Refill Capillary Wick Oiler	Every 5 Years	
Cable Reel						
Gleason S28 Span Lighting	Grease	Texaco Starplex Premium 1	9	Grease Gun	Every 2 Weeks	
Gleason WB		None Needed				