

1000 HOUR ROPE/CABLE LUBE SAV 18-41

CRANE # _____ DATE: _____ INSPECTOR(S): _____
CRANE HRS _____ HOIST HRS _____ Brand/type of rope lube used: _____

BOOM ROPES/CABLES

- ___ 1.1 INSPECT ALL SHEAVES FOR WEAR IN THE GROOVE OF THE SHEAVE USING SHEAVE GAUGE. ALSO CHECK SHEAVES FOR BEARING WEAR.
a. 10 SHEAVES AT APEX _____
b. 6 SHEAVES AT BOOM TIP _____
- ___ 1.2 INSPECT and MEASURE (using rope/sheave gauge or caliper) BOOM ROPES ON DRUM AND AT APEX.
UR rope _____ DR rope _____
- ___ 1.3 LUBE ROPES ON DRUM AND AT APEX WHILE WITH ROPE LUBE at a bending point of the rope. **APPLY ONLY ENOUGH TO WET ROPE, CLEAN UP EXCESS**
- ___ 1.4 INSPECT DRUM, TORQUE DRUM CLAMP BOLTS
- ___ 1.5 INSPECT DEAD END LINKS, PINS, AND LUBE TURNBUCKLE
- ___ 1.6 CONDITION OF CABLES: _____
- ___ 1.7 CONDITION OF SHEAVES: _____

HOIST ROPES/CABLES

- ___ 1.1 INSPECT ALL SHEAVES FOR WEAR IN THE GROOVE OF THE SHEAVE USING SHEAVE GAUGE. ALSO CHECK SHEAVES FOR BEARING WEAR.
a. 8 SHEAVES ON TROLLEY _____
b. 8 SHEAVES AT BACK REACH _____
c. 4 SHEAVES AT BOOM TIP _____
- ___ 1.2 INSPECT and MEASURE (using rope/sheave gauge, or caliper) HOIST ROPES FROM DRUM TO DEAD ENDS.
UR outside _____ UR Inside _____ DR Inside _____ DR Outside _____
- ___ 1.3 LUBE ROPES ON DRUM AND ON BOOM FROM DEAD END TO BOOM TIP WITH ROPE LUBE. **APPLY ONLY ENOUGH TO WET ROPE, CLEAN UP EXCESS**
- ___ 1.4 LUBE WORKING RANGE OF ROPES WITH ROPE LUBE at a bending point of the rope. **APPLY ONLY ENOUGH TO WET ROPE, CLEAN UP EXCESS**
- ___ 1.5 INSPECT DRUM, TORQUE DRUM CLAMP BOLTS
- ___ 1.6 INSPECT DEAD END LINKS, PINS, AND COTTER PINS
- ___ 1.7 CONDITION OF CABLES: _____
- ___ 1.8 CONDITION OF SHEAVES: _____

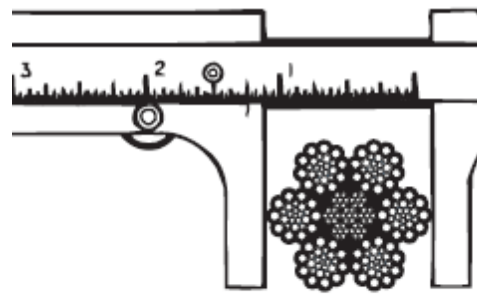
CANTENARY ROPES/CABLES

- ___ 1.1 INSPECT ALL SHEAVES FOR WEAR IN THE GROOVE OF THE SHEAVE USING SHEAVE GAUGE. ALSO CHECK SHEAVES FOR BEARING WEAR.
a. SHEAVES ON CANTENARY TROLLIES _____
b. SHEAVES AT BACK REACH _____
c. SHEAVES AT BOOM AND MAIN GIRDER _____
- ___ 1.2 INSPECT and MEASURE (using rope/sheave gauge, or caliper) CANTENARY ROPES FROM END TO END.
UR long _____ DR Long _____ UR short front _____ DR short front _____
UR short rear _____ DR short rear _____
- ___ 1.3 LUBE ROPES WITH ROPE LUBE at a bending point of the rope. **APPLY ONLY ENOUGH TO WET ROPE, CLEAN UP EXCESS**
- ___ 1.4 INSPECT DEAD END LINKS, PINS, AND COTTER PINS
- ___ 1.5 CONDITION OF CABLES: _____
- ___ 1.6 CONDITION OF SHEAVES: _____

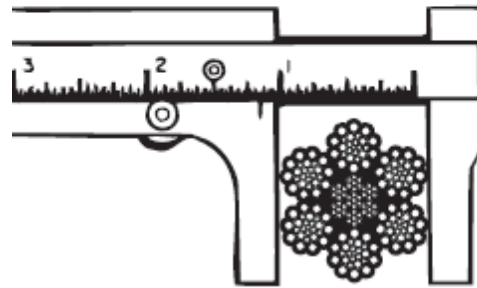
WHEN FINISHED, OPERATE ALL FUNCTIONS OF THE CRANE ESPECIALLY HOIST AND TROLLEY TO DISTRIBUTE LUBE. CLEAN UP EXCESS WHEN FINISHED.

REPORT BROKEN OR DAMAGED CABLES TO FOREMAN WHERE THE WIRES ARE BROKEN, AND ON WHICH CABLE.

NOTES: _____



Correct



Incorrect

WIRE ROPE WEAR LIMITS

Crane/ropes	rope size"	rope size mm	wear limit" 7%	wear limit mm 7%
Sav 10-17 catenary	1/2	13	0.47	11.81
Sav 18-29 Catenary	5/8	16	0.58	14.76
Sav 30-41 Catenary	3/4	19	0.70	17.72
	7/8	22	0.81	20.67
Sav 15 Boom	1	25	0.93	23.62
Sav 10-17 Boom, Sav 15 Hoist	1 1/8	29	1.05	26.57
Sav 10-41 Hoist	1 1/4	32	1.16	29.53

WIRE ROPE MAXIMUM BROKEN WIRES

Rope Construction (Load bearing wires)	Maximum Number of Broken Wires	
6 x 36 Ordinary lay	6 x Diameter	30 x Diameter
	7	14