

KENNETH ROWE, CHENEGA
CAIS STANDARD DEFICIENCIES –
A BEST PRACTICE

Las Vegas, October 23-24, 2012

Deficiency List: Carpet

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Code	Deficiency Group	Description	Coverage %				NSIP Req.
			Light	Mod.	Sev.	Fail	
X1	INT;CARPET;GP	EXCEEDS DESIGN LIFE	N/A	N/A	N/A		▼
X2	INT;CARPET;GP	PHYSICAL DAMAGE	N/A	N/A	N/A		▼
C1	INT;CARPET;GP	CARPET: ABRASION Etc.					▼
C2	INT;CARPET;GP	CARPET: STAINING Etc.					▼
C3	INT;CARPET;GP	CARPET: TEARING Etc.					▼
C4	INT;CARPET;GP	CARPET: HEAT AGING Etc.					▼
C5	INT;CARPET;GP	CARPET: ADHESION Etc.					▼
C6	INT;CARPET;GP	CARPET: LOOSE SEAMS, WORN SURFACE Etc.					▼
C7	INT;CARPET;GP	CARPET: EXCESSIVE RIDGING Etc.					▼

Deficiency List: Roofing

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Code	Deficiency Group	Description	Coverage %			
			Light	Mod.	Sev.	Fail
X1	ROOF;BU MEMBRANE;MEMBRANE	EXCEEDS DESIGN LIFE	N/A	N/A	N/A	
X2	ROOF;BU MEMBRANE;MEMBRANE	PHYSICAL DAMAGE	N/A	N/A	N/A	
M1	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: EXPOSED FELTS, SMALL DETERIORATION, Etc.				
M2	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: SPLITTING Etc.				
M3	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: BLISTERS, BUCKLES Etc.				
M4	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: FISHMOUTHS Etc.				
M5	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: EXPOSED/BADLY DETERIORATED FELTS, ALLIGATORING Etc.				
M6	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: PUNCTURES, HOLES Etc.				
M7	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: STANDING WATER, PONDING Etc.				
M8	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: ALLIGATORING Etc.				
M9	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: IMPACT DAMAGE Etc.				
M0	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: LEAKING Etc.				
MA	ROOF;BU MEMBRANE;MEMBRANE	MEMBRANE: PAVER DAMAGE Etc.				
P1	ROOF;BU MEMBRANE;MEMBRANE	PITCH POCKETS: DETERIORATED Etc.				

Deficiency List: Compressor

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Code	Deficiency Group	Description	Coverage %				NSIP Req.	Comment
			Light	Mod.	Sev.	Fail		
X1	MECH;COMPRESSOR;CENTRIFUGAL	EXCEEDS DESIGN LIFE	N/A	N/A	N/A		▼	
X2	MECH;COMPRESSOR;CENTRIFUGAL	PHYSICAL DAMAGE	N/A	N/A	N/A		▼	
B1	MECH;COMPRESSOR;CENTRIFUGAL	BEARINGS: DEFECTIVE, NOISY, VIBRATION, RUNS HOT Etc.	N/A	N/A	N/A		▼	
C1	MECH;COMPRESSOR;CENTRIFUGAL	COMPRESSOR: INOPERATIVE, WILL NOT TURN Etc.	N/A	N/A	N/A		▼	
C2	MECH;COMPRESSOR;CENTRIFUGAL	COMPRESSOR: NOISY, VIBRATION Etc.					▼	
C3	MECH;COMPRESSOR;CENTRIFUGAL	COMPRESSOR: EXCESSIVE VIBRATION Etc.	N/A	N/A	N/A		▼	
C4	MECH;COMPRESSOR;CENTRIFUGAL	COMPRESSOR: CORROSION Etc.					▼	
C5	MECH;COMPRESSOR;CENTRIFUGAL	COMPRESSOR: OVERLOAD, RUNS HOT Etc.					▼	
C6	MECH;COMPRESSOR;CENTRIFUGAL	COMPRESSOR: DIMINISHED CAPACITY Etc.					▼	
O1	MECH;COMPRESSOR;CENTRIFUGAL	OIL FILTER: INADEQUATE, FOULED Etc.	N/A	N/A	N/A		▼	
O2	MECH;COMPRESSOR;CENTRIFUGAL	OIL COOLER: LEAKAGE Etc.					▼	
O3	MECH;COMPRESSOR;CENTRIFUGAL	OIL COOLER: BLOCKED FLOW Etc.					▼	
S1	MECH;COMPRESSOR;CENTRIFUGAL	SEALS: LEAKAGE Etc.					▼	
X1	MECH;CONDENSER	EXCEEDS DESIGN LIFE	N/A	N/A	N/A		▼	
X2	MECH;CONDENSER	PHYSICAL DAMAGE	N/A	N/A	N/A		▼	
R1	MECH;CONDENSER	RUPTURE DISK: LEAKING Etc.	N/A	N/A	N/A		▼	

Deficiency List: Pump

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Code	Deficiency Group	Description	Coverage %			
			Light	Mod.	Sev.	Fail
X1	MECH;PUMP;FLUID;GP	EXCEEDS DESIGN LIFE	N/A	N/A	N/A	
X2	MECH;PUMP;FLUID;GP	PHYSICAL DAMAGE	N/A	N/A	N/A	
B1	MECH;PUMP;FLUID;GP	BEARINGS: DEFECTIVE, NOISY, VIBRATION, RUNS HOT Etc.	N/A	N/A	N/A	
P1	MECH;PUMP;FLUID;GP	PUMP: MISSING, TAKEN OUT OF SERVICE & NOT RETURNED Etc.	N/A	N/A	N/A	
P2	MECH;PUMP;FLUID;GP	PUMP: INOPERATIVE, WILL NOT TURN Etc.	N/A	N/A	N/A	
P3	MECH;PUMP;FLUID;GP	PUMP: EXCESSIVE NOISE OR VIBRATION Etc.	N/A	N/A	N/A	
P4	MECH;PUMP;FLUID;GP	PUMP: CORROSION Etc.				
P5	MECH;PUMP;FLUID;GP	PUMP: HOT, EXCESSIVE LOAD Etc.				
P6	MECH;PUMP;FLUID;GP	PUMP: DIMINISHED CAPACITY Etc.				
P7	MECH;PUMP;FLUID;GP	PUMP: OIL, GREASE, DIRT BUILDUP				
P8	MECH;PUMP;FLUID;GP	PUMP: DEFECTIVE MOUNTING				
P9	MECH;PUMP;FLUID;GP	PUMP: DEFECTIVE SHEAVES/PULLEYS				
Q1	MECH;PUMP;FLUID;GP	PUMP: DEFECTIVE BELT/SHAFT GUARD				
Q2	MECH;PUMP;FLUID;GP	PUMP: DEFECTIVE BELTS				
S1	MECH;PUMP;FLUID;GP	SEALS: LEAKAGE Etc.				
S2	MECH;PUMP;FLUID;GP	STUFFING BOX: OVERHEATS Etc.				
S3	MECH;PUMP;FLUID;GP	SEVERE CORROSION Etc.	N/A	N/A	N/A	

Deficiency List: Switchboard

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		TORQUED, ETC.
X1	ELEC;SWITCHBOARDS; (ASSY)	EXCEEDS DESIGN LIFE
X2	ELEC;SWITCHBOARDS; (ASSY)	PHYSICAL DAMAGE
B3	ELEC;SWITCHBOARDS; (ASSY)	BUS: IMPROPER, BURNT, LOOSE, INSULATION SPLICE, HIGH RESISTANCE Etc.
B4	ELEC;SWITCHBOARDS; (ASSY)	BUSHING, INSULATOR: DEFECTIVE, MISSING, BURNED, CORRODED, DIRTY Etc.
C3	ELEC;SWITCHBOARDS; (ASSY)	CONTROL MODULE: DEFECTIVE, LOOSE BOARDS/ WIRING, PHYSICALLY DAMAGED Etc.
C4	ELEC;SWITCHBOARDS; (ASSY)	CONTROL WIRING: IMPROPER INSTALLATION, INDICATORS NOT WORKING/OBSCURED Etc.
D1	ELEC;SWITCHBOARDS; (ASSY)	DISCONNECT: IMPROPER, PHYSICALLY DAMAGED INACCESSIBLE, UNPROTECTED Etc.
E1	ELEC;SWITCHBOARDS; (ASSY)	ENCLOSURE: IMPROPER, CORRODED, NOT SE- CURED, PHYSICALLY DAMAGED Etc.
E2	ELEC;SWITCHBOARDS; (ASSY)	EQUIPMENT PROTECTION: IMPROPER, INADE- QUATE, UNCALIBRATED, DAMAGED Etc.
F2	ELEC;SWITCHBOARDS; (ASSY)	FUSE UNIT: BENT, MALALIGNED, POOR CON- TACT Etc.
G1	ELEC;SWITCHBOARDS; (ASSY)	GROUNDING IMPROPER: MISSING, BROKEN, IMPROPER ATTACHMENT, ETC.
H1	ELEC;SWITCHBOARDS; (ASSY)	HEATER: DEFECTIVE, LOOSE, IMPROPER WIR- ING, IMPROPER HEATER Etc.
I1	ELEC;SWITCHBOARDS; (ASSY)	INSULATING LIQUID: IMPROPER TYPE, LOW LEVEL, PRESSURE LEAK Etc.
M1	ELEC;SWITCHBOARDS; (ASSY)	MARKING: IMPROPER, MISSING, ILLEGIBLE Etc.
M2	ELEC;SWITCHBOARDS; (ASSY)	METERING: DAMAGED, INOPERATIVE Etc.

Key Points

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- Can serve as checklists when conducting inspections
- Can be used for pre-inspection planning
- Printouts of previously identified deficiencies can be used when conducting re-inspects
- Deficiencies defined on this screen are displayed on the Inspection Unit (Complete) and Complete Survey Detail reports in CAIS

Questions?

