



NOTES:

- HOSE DIMENSIONS AND TOLERANCES PER MPAPS F-1, GRADE 1B 5/8" NOM ID.
- FOR KCC AND MATERIAL REQUIREMENTS SEE MPAPS F-30.
- APPROVED SUPPLIERS PER MPAPS F-30 APPX, NO CHANGES WITHOUT ENGINEERING APPROVAL.
- NO CHANGE TO REINFORCEMENT MATERIAL, STITCHING PATTERN OR NUMBER OF PLYS WITHOUT ENGINEERING APPROVAL.
- HOSE END SQUARENESS PER SAE J20.
- INTERNAL CLEANLINESS PER MPAPS F-2, LEVEL V. MUST BE PROTECTED FROM DEBRIS INGRESS DURING SHIPMENT.
- CLAMP INSTALLATION MARKS ON BOTH ENDS PER MPAPS F-1, SECTION 4.2.6. CENTER BAR REQUIRED, ORIENTED AS SPECIFIED.
- STAMP "ELBOW" AT APPROX AS SHOWN. ORIENTATION AND RADIAL LOCATION AS SPECIFIED.
- STAMP "CAB IN" AT APPROX AS SHOWN. ORIENTATION AND RADIAL LOCATION AS SPECIFIED.
- UNLESS OTHERWISE SPECIFIED:
ALL MATH DATA IS BASIC $\frac{1}{10}$ ALL-AROUND.
- PART TO BE CHECKED RESTRAINED ON DATUMS
[A] AND [D] AND LOCATED AGAINST DATUMS
[B] AND [E] AND ALIGNED TO DATUMS
[C] AND [F]
- GRADE 1B HOSE, MAX OPERATING PRESSURE, INCLUDING SPIKES, CANNOT EXCEED 430 kPag (62.5 Psig).
- STAMP "GRADE 1B WP 430 kPag (62 Psig)" APPROX AS SHOWN. ORIENTATION AND RADIAL LOCATION OPTIONAL.
- STAMP PN "4383619C1" APPROX AS SHOWN. ORIENTATION AND RADIAL LOCATION OPTIONAL.

DISTANCE FROM P0 TO P3 = 157.05
APPROX CTRLINE LENGTH = 259.18
TUBING OD = 26.50
WALL THICKNESS = 4.050

SOLID MODEL IS MASTER FOR ALL SURFACES AND NOMINAL DIMENSIONS. DRAWING IS MASTER FOR ALL TOLERANCES.

3D ELECTRONIC DETAIL
ADDITIONAL 3D ELECTRONIC SURFACE DATA OF THIS MODEL IS AVAILABLE UPON REQUEST FROM NAVISTAR DESIGN GROUP.

COORDS	X	Y	Z	R
POINTS				
P0	0.00	0.00	0.00	
P1	100.00	0.00	0.00	35.00
P2	89.59	-40.07	112.77	35.00
P3	97.41	49.59	112.77	

ALL PARTS SUPPLIED TO NAVISTAR MUST COMPLY WITH MPAPS B-50 FOR RESTRICTED CHEMICAL SUBSTANCES

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5-1994 AS AMENDED BY THE INTERNATIONAL TRUCK DIVISION DIMENSIONING AND TOLERANCING ADDENDUM-2000.

NAVISTAR			
NAVISTAR, INC CONFIDENTIAL PROPRIETARY			
REFERENCE			
LINEAR MEASURE: mm <input checked="" type="checkbox"/> in <input type="checkbox"/>		THIRD ANGLE PROJECTION <input checked="" type="checkbox"/>	
UNLESS SPECIFIED DIM TOLERANCES ARE:		FIRST ANGLE PROJECTION <input type="checkbox"/>	
(NO PLACE) ±1.5 (1.X) ±.06		(NO PLACE) ±1.5 (1.X) ±.06	
(1.X) ±0.8 (1.XX) ±.03		(1.X) ±0.8 (1.XX) ±.03	
(1.XX) ±0.25 (1.XXX) ±.010		(1.XX) ±0.25 (1.XXX) ±.010	
ANGLES ±1°		ANGLES ±1°	
ENGINEER	NAME HOSE, SUPPLY, ELBOW TO CONNECTOR		
DATE	NAME (TRANSLATION)		
DRAWN	MATERIAL GRADE 1B PER MPAPS F-30		
DATE	APPROD E		
CHECKED	DATE		
DATE	MATERIAL REV		
MANAGER	P1RS NOUN CODE	PART TYPE CODE	SCALE
DATE	PART NO.		
RELEASE NO.	4717736X1		
SHEET			4
CONTROL			