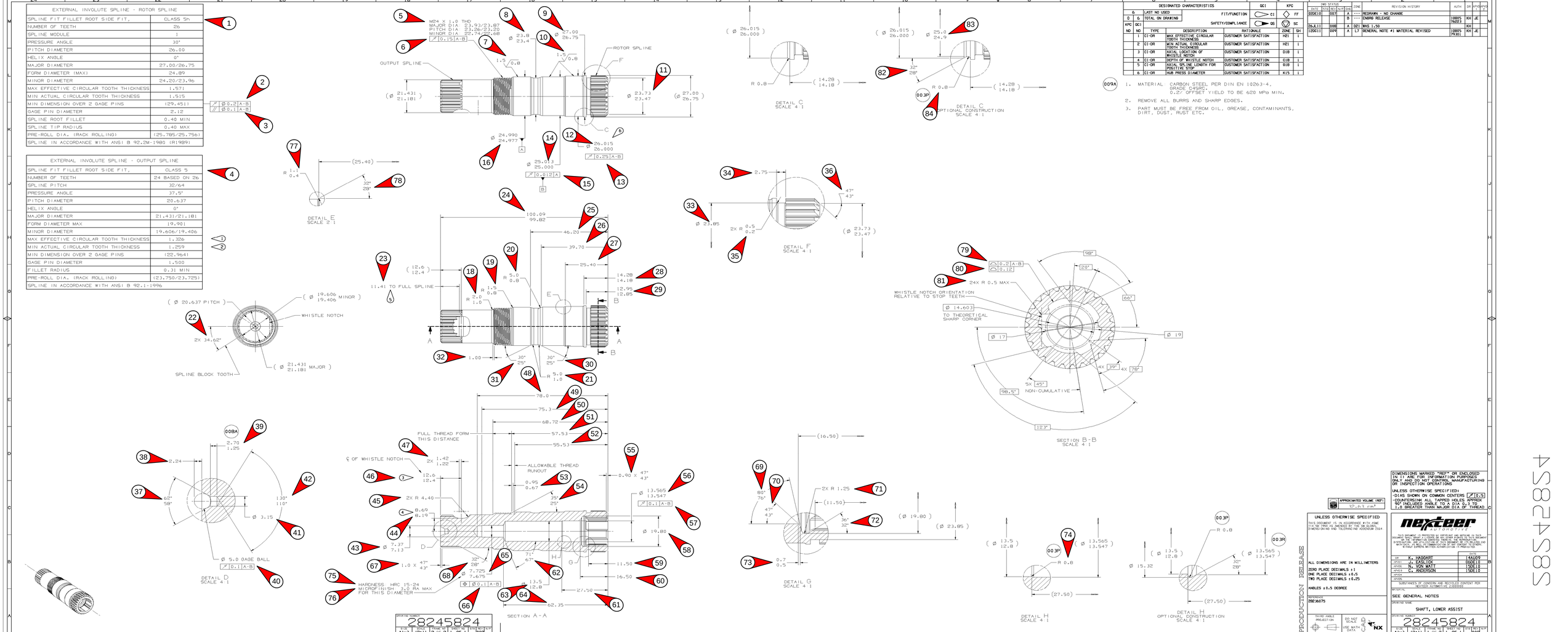
EXTERNAL INVOLUTE SPLINE - ROTOR SPLINE	
SPLINE FIT FILLET ROOT SIDE FIT,	CLASS 5h
NUMBER OF TEETH	26
SPLINE MODULE	1
PRESSURE ANGLE	30°
PITCH DIAMETER	26.00
HELIX ANGLE	0°
MAJOR DIAMETER	27.00/26.75
FORM DIAMETER (MAX)	24.89
MINOR DIAMETER	24.20/23.96
MAX EFFECTIVE CIRCULAR TOOTH THICKNESS	1.571
MIN ACTUAL CIRCULAR TOOTH THICKNESS	1.515
MIN DIMENSION OVER 2 GAGE PINS	(29.451)
GAGE PIN DIAMETER	2.12
SPLINE ROOT FILLET	0.40 MIN
SPLINE TIP RADIUS	0.40 MAX
PRE-ROLL DIA. (RACK ROLLING)	(25.785/25.756)
SPLINE IN ACCORDANCE WITH ANSI B 92.2M-1980 (R1989)	

EXTERNAL INVOLUTE SPLINE - OUTPUT SPLINE	
SPLINE FIT FILLET ROOT SIDE FIT,	CLASS 5
NUMBER OF TEETH	24 BASED ON 26
SPLINE PITCH	32/64
PRESSURE ANGLE	37.5°
PITCH DIAMETER	20.637
HELIX ANGLE	0°
MAJOR DIAMETER	21.431/21.181
FORM DIAMETER MAX	19.991
MINOR DIAMETER	19.606/19.406
MAX EFFECTIVE CIRCULAR TOOTH THICKNESS	1.326
MIN ACTUAL CIRCULAR TOOTH THICKNESS	1.259
MIN DIMENSION OVER 2 GAGE PINS	(22.964)
GAGE PIN DIAMETER	1.500
FILLET RADIUS	0.31 MIN
PRE-ROLL DIA. (RACK ROLLING)	(23.750/23.725)
SPLINE IN ACCORDANCE WITH ANSI B 92.1-1996	

DESIGNATED CHARACTERISTICS				QC1	KPC
6	LAST NO USED			FIT/FUNCTION	◇ FF
0	6	TOTAL ON DRAWING		SAFETY/COMPLIANCE	ⓥ SC
KPC	QC1			⇨ QS	
NO	NO	TYPE	DESCRIPTION	RATIONALE	ZONE	SH
	1	C1-OR	MAX EFFECTIVE CIRCULAR TOOTH THICKNESS	CUSTOMER SATISFACTION	H21	1
	2	C1-OR	MIN ACTUAL CIRCULAR TOOTH THICKNESS	CUSTOMER SATISFACTION	H21	1
	3	C1-OR	AXIAL LOCATION OF WHISTLE NOTCH	CUSTOMER SATISFACTION	D1B	1
	4	C1-OR	DEPTH OF WHISTLE NOTCH	CUSTOMER SATISFACTION	C1B	1
	5	C1-OR	AXIAL SPLINE LENGTH FOR POSITIVE STOP	CUSTOMER SATISFACTION	B1B	1
	6	C1-OR	HUB PRESS DIAMETER	CUSTOMER SATISFACTION	K15	1

IWD STATUS						REVISION HISTORY	AUTH	DR	APPVD/RKD
DATE	TITLE	REV	NCR	DVS	ZONE				DATE
02DEC10		007		A	---	REDRAWN - NO CHANGE			
				B	---	ENGRG RELEASE	10805 76021	KH	JE
26JUL11		008		A	DZ1	WAS 1.50		KH	
12OCT11		009		A	L7	GENERAL NOTE #1 MATERIAL REVISED	10805 79301	KH	JE

009A
1. MATERIAL: CARBON STEEL PER DIN EN 10263-4, GRADE C45RC. 0.2% OFFSET YIELD TO BE 620 MPa MIN.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. PART MUST BE FREE FROM OIL, GREASE, CONTAMINANTS, DIRT, DUST, RUST ETC.



APPROXIMATE VOLUME (REF.) 12,613 cm³

DIMENSIONS MARKED "REF" OR ENCLOSED IN ( ) ARE FOR INFORMATION PURPOSES ONLY, AND DO NOT CONTROL MANUFACTURING OR INSPECTION OPERATIONS.

UNLESS OTHERWISE SPECIFIED:
- DIAS SHOWN ON COMMON CENTERS ⌖ 0.5
- COUNTERSINK ALL TAPPED HOLES APPROX 90° INCLUDED ANGLE TO A DIA 0.1 TO 1.0 GREATER THAN MAJOR DIA OF THREAD

UNLESS OTHERWISE SPECIFIED
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 DIMENSIONING AND TOLERANCING
ALL DIMENSIONS ARE IN MILLIMETERS
ZERO PLACE DECIMALS ± 1
ONE PLACE DECIMALS ± 0.5
TWO PLACE DECIMALS ± 0.25
ANGLES ± 0.5 DEGREE
THIRD ANGLE PROJECTION
DO NOT SCALE
USE MATH DATA

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	NAME	DATE
DR	K. HAGGART	14JUN09
APVD	J. EASLICK	06OCT10
APVD	N. VON MATT	15OCT10
APVD	C. ANDERSON	15OCT10
APVD		
APVD		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER NEXTEER AUTOMOTIVE 3.200305

DESCRIPTION: SEE GENERAL NOTES

DRAWING NAME: SHAFT, LOWER ASSIST

REFERENCE: 28236075

DRAWING NUMBER: 28245824

SIZE A1x3 | DRAWING NO 28245824 | SHEET NO 1 OF 2 | REV NO 009

PRODUCTION RELEASE

28245824