DELPHI-GITLAB-PROJECT INTERSPEC.UPDATE\_PG

Schematisch overzicht van UPDATE\_PG.UPDATNOW-procedure INTERSPEC-SAP-Interface

UpdatNow.ini  
server=172.30.0.37

Port=2053

UpdatNow.dpr

UpdatNow.dof

Schematisch overzicht van UPDATE\_PG.UPDAT\_PG-procedure INTERSPEC-SAP-Interface

Updat\_PG.dpr

Updata.pas

PibsToIS.pas

IntProp.pas

Application.Initialize;

Application.CreateForm(TsvUpdatePG, svUpdatePG);

Application.CreateForm(TdmPibsToIS, dmPibsToIS);

Application.CreateForm(TdmInterspecSap, dmInterspecSap);

Application.Run;

LINE: 3516:  
aqTmpPurcart.active := false;  
 aqTmpPurcart.params[0].asString := 'IS\_TEMPLATE\_GR';  
 aqTmpPurcart.active := true;

IntProp.dfm  
**acInterspec: OraOLEDB: INTERSPEC  
acEnsprod: MSDASQL Rossi001  
acInterface: SQLOLEDB: General**

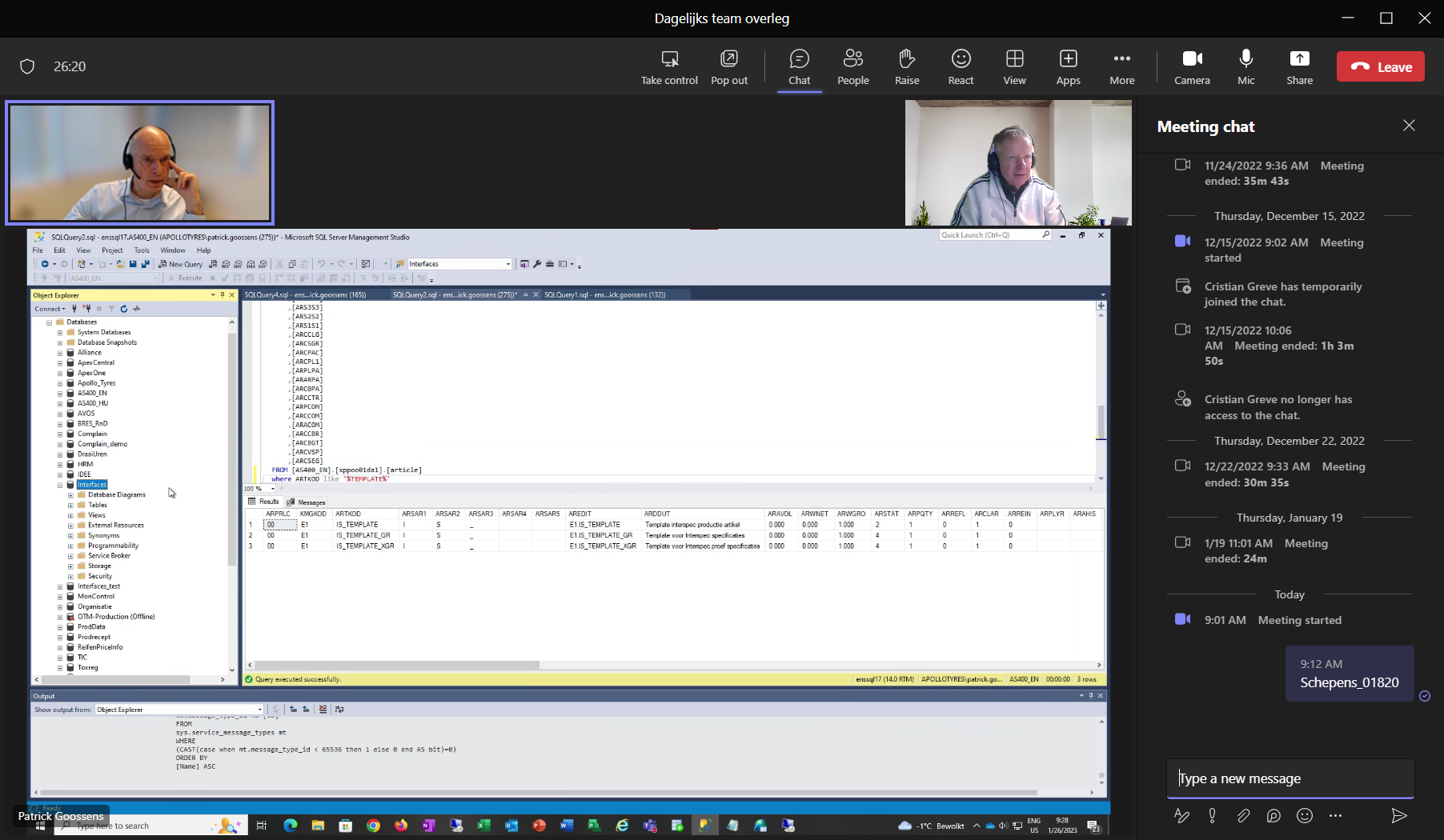
upData.dfm  
Object **svUpdatePG**  
**acInterspec: OraOLEDB: INTERSPEC**-aqUpdSpecs  
**acEnsprod: MSDASQL: Rossi001**-aqPurCart- aqTmpCurcart  
-aqTmpArticle -aqUpdPurcart  
-aqUpdArticle -aqSpecData  
-aqCharacteristics -aqArtgrpp  
-qaUnitsp -ssUpdate  
-aqDelSpecs -aqProdTyp  
-aqTmpProdart -aqUpdProdart  
-aqSpecData1 -aqTmpPurasppp  
-aqUpdPursppp -aqUpdArtspecp  
-aqTmpArtspecp -aqTmpBewgrwg  
-aqUpdBewgrwg -aqBewkgrp  
-aqBomItem -aqTmpStklswg  
-aqUpdStklswg -aqArticle  
-aqBewText - aqTmpBewkoms  
-aqUpdBewkoms -aqDelBewkoms  
-aqDelStklswg -IdSMPT  
=IdMiessage -aqDelBewgrwg  
-aqDelPurasppp -aqDelProdart  
-aqDelArtspecp -aqDelArticle  
-aqDelPurcart -aqUseStklswg  
-aqRemArticle -aqTmpGersets  
-aqUpdGersets -aqDelGersets  
-aqTmpGertype -aqUpdGertype  
-aqProperties -aqCharacteristic  
-aqTmpGwtolag -aqUpdGwtolag  
-aqSpecData2 -aqBomHeader  
-aqReadon -aqRemarks  
-aqAttachedSpec -aqCurrentRev  
-aqDependent -aqSepcdata1a  
**acInterface: SQLOLEDB: General**-aqSapArticle -aqIntSapSequence  
-aqIntSapArticle -aqIntSapBom  
-aqPart -aqIntSapProcessing  
-aqIntSapTooling -aqIntSapInstructions  
-aqIntSapSequenceFind -aqClean  
-xaqProsalP -aqIntSapSequenceStat  
-aqQrStatus -aqUpdArqrst  
-aqIntSapSequenceUpd -aqUpdArtProp  
-aqDelArtProp -x\_aqArtDes  
-IdArtDesc **-aqSpecificationWeight**  
-aqArtgew -aqCopTests  
-aqIntSapTests -aqPropertyGroup  
-aqFindArtToDelete -aqUpdQrStatus

SELECT \* FROM AvSpecification\_Weight  
WHERE PART\_NO = :part ' ')

Updat\_PG.ini  
**Interspec=Provider**=OraOLEDB.Oracle.1;Persist Security Info=False;Data Source="(DESCRIPTION=(ADDRESS\_LIST=(ADDRESS=(PROTOCOL = TCP)(HOST=oracleprod)(PORT=1521)))(CONNECT\_DATA=(SID=IS61)))"  
**PG\_system**=Provider=IBMDA400;Persist Security Info=true;Data Source=ensprod  
PG\_Library1=xppoo01da1  
PG\_Library2=xppoo01da2  
PG\_Library3=xppoo01da3  
runMoment=6:00  
logDirectory=c:\log\updatePG

PibsToIS.dfm  
**svUpdatePG.acInterspec**-aqAssociation  
-spLogon (via proc. TeunisUtil.logon)  
-aqArtGrpp  
-aqFindCharacteristic  
-aqNextCharacteristic  
-aqAddCharacteristic  
-aqAssocChar  
-aqSection  
-aqSubSection  
-aqPropertyGroup  
-aqProperty  
-aqSpecificationProp  
-aqCharacteristic  
-aqSpecData  
**acGeneral: SQLOLEDB:ENSSQL05 General**  
-aqIntSapSequence  
-aqIntSapArticle  
-IdMessage  
-aqIntSapProperty

Overzicht SQL17-db



Schematisch overzicht van UPDATE\_PG.Exp2Sap-procedure INTERSPEC-SAP-Interface

Exp2Sap.pas

Exp2Sap.dfm  
SQLOLEDB: **ENSSQL05** General  
acGeneral   
-aqIntSapArticle  
- aqIntSapBom  
- aqIntSapProcessing  
- aqIntSapTooling  
- aqIntSapInstructions  
**IdSAP\_xx: TIdHTTP ediTest.vredestein.com**- aqUpdSequenceData  
- aqAllUnsend  
-aqIntSapDocument  
-aqLabels2Send  
-aqVoiceArticle  
**acEnsprod MSDASQL ensprod Rossi001**-aqIntSapCopTests  
-aqIntSapProperty

LETOP: Geen dpr-file en/of proj-file?  
Wordt gebruikt vanuit:   
-Exprt2Sap.dpr   
-ExpToSap.dpr

**acGeneral**

aqIntSapArticle SELECT \* FROM IntSapArticle WHERE Sequencenr = :nr

aqIntSapBom SELECT \* FROM IntSapBom WHERE Sequencenr = :nr

aqIntSapProcessing SELECT \* FROM IntSapProcessing WHERE Sequencenr = :nr

aqIntSapTooling SELECT \* 'FROM IntSapTooling WHERE Sequencenr = :nr

aqIntSapInstructions SELECT \* FROM IntSapInstructions WHERE Sequencenr = :nr

aqUpdSequenceData SELECT \* FROM IntSapSequence WHERE SequenceNr = :seq'

aqAllUnsend SELECT SequenceNr FROM IntSapSequence

WHERE Status < 9 and InterspecFrame <> '#39'E\_Budget\_tyres'#39

Order by TableType, SequenceNr

aqIntSapDocument SELECT \* FROM IntSapDocument WHERE Sequencenr = :nr'

aqLabels2Send SELECT SequenceNr, Status FROM IntSapSequence

WHERE (Tabletype='#39'A'#39' AND Status = 9 AND InterspecFrame = '#39'A\_PCR'#39’)

OR (Tabletype='#39'A'#39' AND Status = 1 AND InterspecFrame = '#39'E\_Budget\_tyres'#39')'

ORDER BY SequenceNr

**acEnsprod**

aqVoiceArticle SELECT arcean FROM xppoo01da1.article WHERE kmgKod = :kmgkod AND artkod = :artkod'

aqIntSapCopTests SELECT \* FROM IntSapCopTests WHERE Sequencenr = :nr

aqIntSapProperty SELECT \* FROM IntSapProperty WHERE Sequencenr = :nr

Schematisch overzicht van UPDATE\_PG.ExpToSap-procedure INTERSPEC-SAP-Interface

ExpToSap.pas (obj: TdmExport2Sap)

SapUsername=EC\_PIP  
SapPassword=welcome123  
LogDirectory=c:\Log\ExpSap1  
LogLevel=5

ExpToSap.ini

ExpToSap.dpr

Application.Initialize;  
 Application.CreateForm(TForm1, Form1);  
 Application.CreateForm(TdmExport2Sap, dmExport2Sap);  
 Application.Run;

Geen dfm-file aanwezig?

Tst2Sap.pas (dm)

Exp2Sap.pas (form)

Uses Tst2Sap.pas + Exp2Sap.pas-file?

ExpToSap.INI

UrlArticle=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlProcessing=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleProcessing\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlBOM=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleBOM\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlInstructions=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataARTIKLE\_INS\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlTooling=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataToolSet\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlGetLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_LabelRequest\_Out&interfaceNamespace=http://apollotyres.com.com/IF045/EC/Label/I\_WS\_APPS

UrlSendLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateOrCreateArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlCopTests=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterData\_ARTTESTS\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlProperties=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateorCreateProperties\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

Exprt2Sap

Exp2Sap.pas (dm)

SapUsername=EC\_PIP  
SapPassword=welcome123  
LogDirectory=c:\Log\ExpSap1  
LogLevel=5

ExprtToSap.ini

Exprt2Sap.dpr

Application.Initialize;  
 Application.CreateForm(TdmExport2Sap, dmExport2Sap);  
 dmExport2Sap.ExportAll;

Use Exp2Sap.pas-file?

Exprt2Sap.INI:

UrlArticle=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlProcessing=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleProcessing\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlBOM=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataArticleBOM\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlInstructions=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataARTIKLE\_INS\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlTooling=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataToolSet\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlGetLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_LabelRequest\_Out&interfaceNamespace=http://apollotyres.com.com/IF045/EC/Label/I\_WS\_APPS

UrlSendLabel=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateOrCreateArticle\_Out&interfaceNamespace=http://apollotyres.com.com/IF015/Interspec/MasterData/I\_WS\_APPS

UrlCopTests=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterData\_ARTTESTS\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

UrlProperties=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_MasterDataUpdateorCreateProperties\_Out&interfaceNamespace=http://apollotyres.com.com/IF089/HU/Interspec/MasterData/I\_WS\_APPS

Export.tab

; Nr Tag ;frame section, sub-section propertygroup property field Name Type Processing

; C 0

; C 0

32 BrandName General information General tyre characteristics Brand CHARACTERISTIC Brand name C 0

33 MouldCode A\_PCR D-spec Master drawing general Segment CHAR\_1 Mould code C 0

34 ProfileCode General information Size Productlinecode CHAR\_1 Profile code C3 0

35 ProfileName A\_PCR General information General tyre characteristics Productline CHARACTERISTIC Profile name C 0

36 AsymInd General information General tyre characteristics Asymmetric CHARACTERISTIC Asymmetrical B 0

37 DirInd General information General tyre characteristics Directional CHARACTERISTIC Directional B 0

38 LoadRange A\_PCR General information General tyre characteristics Load index class CHARACTERISTIC Load range C 0

39 RimProt General information General tyre characteristics Rim protector CHARACTERISTIC Rim protector C 0

40 RunFlatInd A\_PCR General information General tyre characteristics Runflat CHARACTERISTIC Run flat B 0

41 WinterInd General information General tyre characteristics Winter indication CHARACTERISTIC Winter indicator C 0

42 TyreSegmentationPCT General information General tyre characteristics Category CHARACTERISTIC Tyre segmentation C 0

43 TyreTypePCT\_ACT A\_PCR General information General tyre characteristics Tubetype/tubeless CHARACTERISTIC Tyre type C 0

44 TyreTypeTWT Tyretype TWT C 0

45 SectionWidthCode General information Size Section width CHAR\_1 Section width code I 0

46 RealSectionWidth A\_PCR D-spec D-Spec (tyre measurements) Tyre width (max) NUM\_1 Real section width I 0

47 AspectRatio General information Size Aspect ratio CHAR\_1 Aspect ratio I 0

48 RimCode General information Size Rimcode CHAR\_1 Rim code F 0

49 Diameter D-spec D-Spec (tyre measurements) Tyre diameter NUM\_1 Diameter I 0

50 OverallDia Overall diameter I 0

51 Dimension\_mm Dimension (mm) C 0

52 Dimension\_inch Dimension (inch) C 0

53 SpeedIndex General information Size Speed index CHAR\_1 Speed index C 0

54 SpeedIndex2 Speedindex 2 C 0

55 MaxSpeed A\_PCR General information General tyre characteristics Vmax Y (km/h) CHARACTERISTIC Maximum speed I 0

56 MaxSpeed\_2 Maximum speed 2 C 0

57 SizeDesignation General information Sidewall designation Size designation CHAR\_1 Size designation C 0

58 EtrtoSize ETRTO size C 0

59 Colour Colour C 0

60 UstTubeless UST Tubeless B 0

61 TubelessReady Tubeless ready B 0

62 RadialConstruction \_TEXT TRUE Radial Construction B 0

63 PlyRating Ply rating I 0

64 LoadCapacity General information Sidewall designation Max. load CHAR\_1 Loadcapacity (kg) I 0

65 Weight A\_PCR D-spec D-Spec (tyre measurements) Tyre weight NUM\_1 Weight F 0

66 CommercialWeight Commercial weight F 0

67 DotInd A\_PCR General information Sidewall designation DOT Plant Code CHAR\_1 DOT indicator B 0

68 BeginDOT Begin DOT C 0

69 EndDOT End DOT C 0

70 VersionNumber Version number I 0

71 E-ApprovalCodeSound A\_PCR General information Sidewall designation E-appr. code (S/W/R) CHAR\_1 E-Approval sound C 0

72 E-approvalCode A\_PCR General information Sidewall designation E-approval code CHAR\_1 E-Approval code C 0

73 OemAppInd OEM approval B 0

74 PliesSidewall A\_PCR General information Sidewall designation Plies sidewall CHAR\_1 Plies sidewall C 0

75 PliesTread A\_PCR General information Sidewall designation Plies tread CHAR\_1 Plies tread C 0

76 QualityGradingWear QualityGrading tread C 0

77 QualityGradingTraction QualityGrading Wear C 0

78 QualityGradingTemperature QualityGrading Temperature C 0

79 TreadDpth Tread depth F 0

80 MinPress Min Pressure F 0

81 MaxPress Max pressure F 0

82 TyrePress A\_PCR General information ETRTO properties ETRTO infl pressure NUM\_1 Tyre pressure I 0

83 NominalTyrePress Nominal tyrepressure I 0

84 MaxPressure A\_PCR General information Sidewall designation Max. pressure CHAR\_1 Max Pressure I 0

85 Press\_130 Pressure 130kmh F 0

86 ActTyreDia Actual diameter I 0

87 ActTyreWeight Actual weight F 0

88 ActTyreWidth Actual width F 0

89 LoadIndex General information Size Load index CHAR\_1 Loadindex I 0

90 LoadIndex\_2 General information Size Load index (dual) CHAR\_1 Loadindex double I 0

91 MaxLoadKg A\_PCR General information Sidewall designation Max. load CHAR\_1 MaxLoad Kg I 0

92 MaxLoadLbs A\_PCR General information Sidewall designation Max. load CHAR\_1 MaxLoad Lbs I 1

93 MaxLoad2Kg A\_PCR General information Sidewall designation Max. load (dual) CHAR\_1 MaxLoad double Kg I 0

94 MaxLoad2Lbs A\_PCR General information Sidewall designation Max. load (dual) CHAR\_1 MaxLoad double Lbs I 1

95 EtrtoTargetRimWidth A\_PCR General information ETRTO properties ETRTO rimwidth NUM\_1 ETRTO Target Rimwidth F 0

96 EtrtoLslRimWidth A\_PCR General information ETRTO properties ETRTO rimwidth NUM\_2 ETRTO LSL Rimwidth F 0

97 EtrtoUslRimWidth A\_PCR General information ETRTO properties ETRTO rimwidth NUM\_3 ETRTO USL Rimwidth F 0

98 ApprRimWidthPlus A\_PCR General information VR approved rimwidth ETRTO LSL -0.5 BOOLEAN\_1 VR-approved -0.5 B 0

99 ApprRimWidthMinus A\_PCR General information VR approved rimwidth ETRTO USL +0.5 BOOLEAN\_1 VR-approved +0.5 B 0

100 RecommRimWidth Recommended rimwidth C 0

101 PermRimWidth Permitted rimwidth C 0

102 AltRimWidth Alternative rimwidth C 0

103 TargetDia Target Diameter I 0

104 TargetSectWidth Target Section width F 0

105 TargetInflPress Targer Pressure I 0

106 TargetLoadCap Target LoadCapacity I 0

107 TargetMaxLoad Target Max Axleload I 0

108 TPI TPI I 0

109 SRI SRI C 0

110 PR\_SD PR/SD C 0

111 Content\_75 Content 75% I 0

112 StaticLoadRadius Static loadradius I 0

113 RollCirc Rolling circumference I 0

114 TreadPattern Tread pattern C 0

115 Valve Valve C 0

116 LoadCap\_20 LoadCapacity 20kmh I 0

117 LoadCap\_30 LoadCapacity 30kmh I 0

118 LoadCap\_40 LoadCapacity 40kmh I 0

119 LoadCap\_10 LoadCapacity 10kmh I 0

120 LoadCap\_130 LoadCapacity 130kmh I 0

;121 WetGripPCT A\_PCR Properties Outdoor testing ECE Wet Grip labeling (trailer) CHAR\_1 WetGrip PCT C 0

;121 WetGripPCT A\_PCR Labels and certification Labels Wet grip Europe CHARACTERISTIC WetGrip PCT C 0

;121 WetGripPCT E\_Budget\_tyres Properties Outdoor testing ECE Wet Grip labeling (trailer) CHAR\_1 WetGrip PCT C 0

;122 RollResistPct A\_PCR Properties Indoor testing ECE Rolling resistance Labeling CHAR\_1 RollingResistance PCT C 0

;122 RollResistPct A\_PCR Labels and certification Labels Rolling resistance Europe CHARACTERISTIC RollingResistance PCT C 0

;122 RollResistPct E\_Budget\_tyres Properties Indoor testing ECE Rolling resistance Labeling CHAR\_1 RollingResistance PCT C 0

;123 NoisePct\_dB A\_PCR Properties Outdoor testing ECE Noise labeling NUM\_1 Noise PCT I 0

;123 NoisePct\_dB A\_PCR Labels and certification Labels Noise Europe NUM\_2 Noise PCT I 0

;123 NoisePct\_dB E\_Budget\_tyres Properties Outdoor testing ECE Noise labeling NUM\_1 Noise PCT I 0

;124 NoisePctClass A\_PCR Properties Outdoor testing ECE Noise labeling CHAR\_1 NoiseClass PCT C 0

;124 NoisePctClass A\_PCR Labels and certification Labels Noise Europe NUM\_1 NoiseClass PCT C 0

;124 NoisePctClass E\_Budget\_tyres Properties Outdoor testing ECE Noise labeling CHAR\_1 NoiseClass PCT C 0

125 EC\_VehicleClass A\_PCR General information General tyre characteristics Tyre class CHARACTERISTIC EC VehicleClass C 0

125 EC\_VehicleClass E\_Budget\_tyres General information General tyre characteristics Tyre class CHARACTERISTIC EC VehicleClass C 0

126 RevisionState E\_BBQ Properties Assembly info Revision CHAR\_1 RevisionState C 0

127 QualityState E\_BBQ Properties Assembly info Quality state CHAR\_1 QualityState C 0

128 Variant E\_BBQ Properties Assembly info Variant CHAR\_1 Variant C 0

129 CustomerArtNumber E\_BBQ Properties Porsche sachnummer CHAR\_1 CustomerArtNumber C 0

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1000 IS\_OE E\_PCR\_GT\_C SAP information Use for OE CHARACTERISTIC C 0

1001 IS\_OE E\_PCR\_GT\_B SAP information Use for OE CHARACTERISTIC C 0

1002 IS\_OE E\_PCR\_VULC SAP information Use for OE CHARACTERISTIC C 0

1003 IS\_OE A\_PCR SAP information Use for OE CHARACTERISTIC C 0

1004 IS\_OE E\_tread SAP information Use for OE CHARACTERISTIC C 0

1005 IS\_OE E\_Sidewall SAP information Use for OE CHARACTERISTIC C 0

1006 IS\_OE E\_Innerliner SAP information Use for OE CHARACTERISTIC C 0

1007 IS\_OE E\_Ply SAP information Use for OE CHARACTERISTIC C 0

1008 IS\_OE E\_Bead SAP information Use for OE CHARACTERISTIC C 0

1009 IS\_OE E\_Belt SAP information Use for OE CHARACTERISTIC C 0

1010 IS\_OE E\_Capply SAP information Use for OE CHARACTERISTIC C 0