

PLA Life Cycle –User Manual

November 2020

Version 1.0



Life Cycle(Part Tree) Overview

- Introduction
- System walkthrough



Introduction

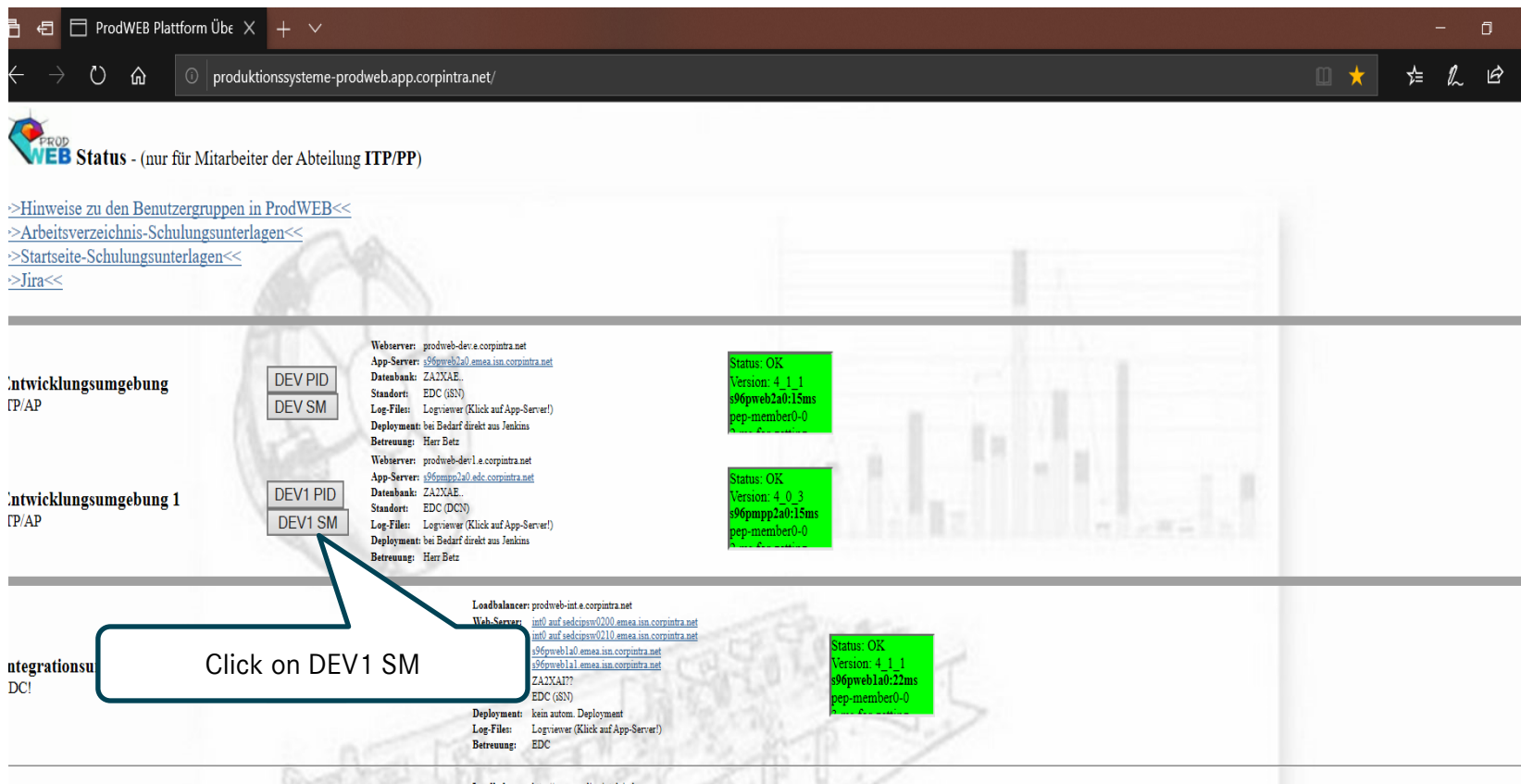
The lifecycle is one of the main elements of the PLA application. It is the visual representation of a part's complete lifecycle. Each and every information belonging to a part is displayed in this easy-to-use tree view. On the left hand side there is a tree that represents data categories. On the right hand side there is a tab section. Lifecycle for any part can be open from all modules(Search, Recall, IDC, Single Recall).

Life Cycle can be opened from two ways-

- Protected view from any module.
- Public view using Direct link.

Initiation

- Navigate to <http://produktionssysteme-prodweb.app.corpintra.net/>.

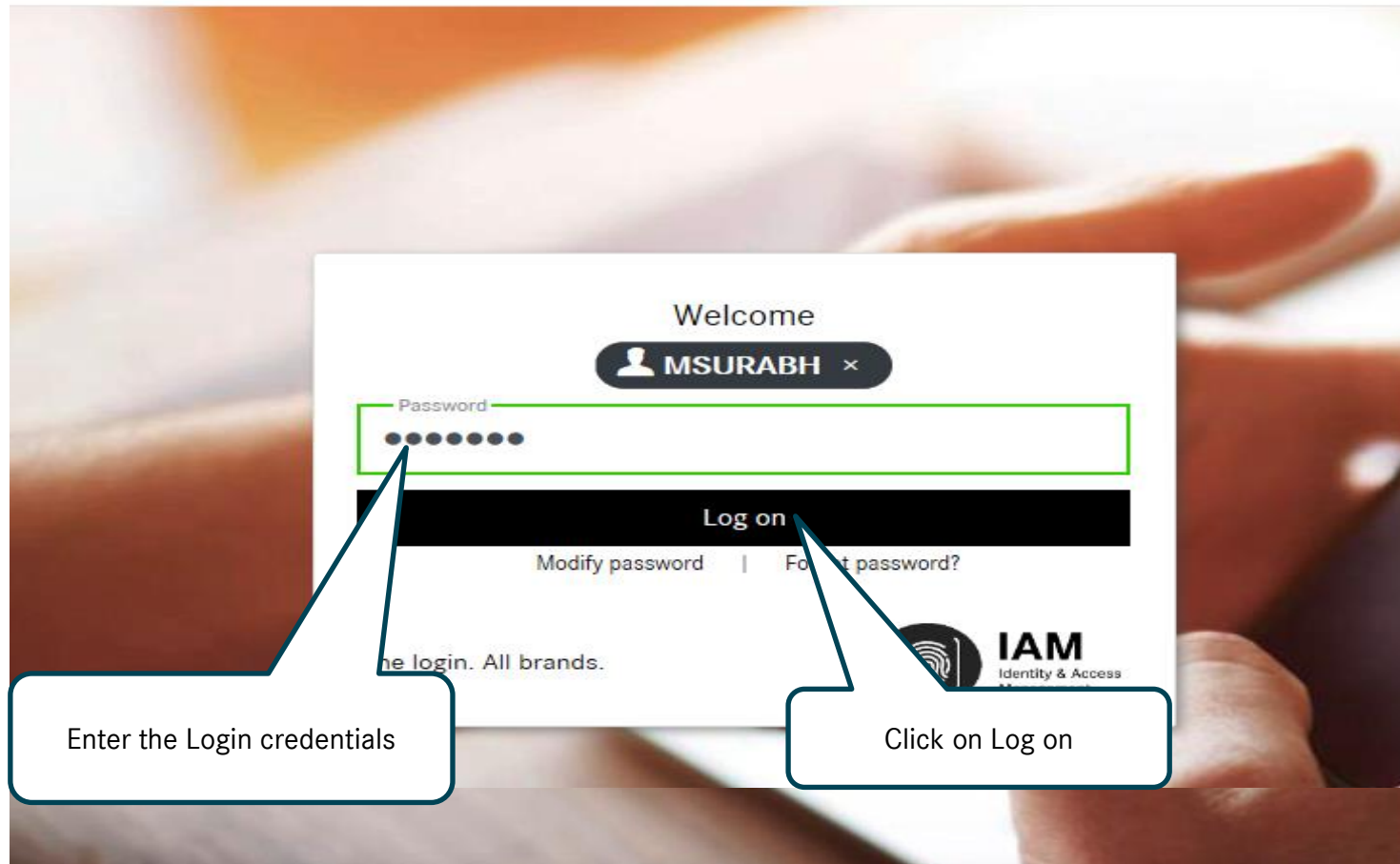


Click on Dev1 SM and
Enter your credentials

Initiation




Enter valid user name and password and Click on Log on button



Home Page-Prod web tree

User: MSURABH (en)Life-Cycle ? ?



General

Machines

DC Asia

DC Spain

DCFS

DCSA

MB Brazil

MB Deutschland

Dekonzentrierte Bereiche

Plant 000

Plant 004

Plant 005

Plant 006

Plant 010

CBS

CC

GSP

MP/P

P

PA

PP/PT

PT/C

PT/E

PT/G

PT/M

PMO/PA

PT/MF1

PT/MF2_BC

PT/MF2_UT

PT/MRM

PT/MRO

PT/MVM

PT/S

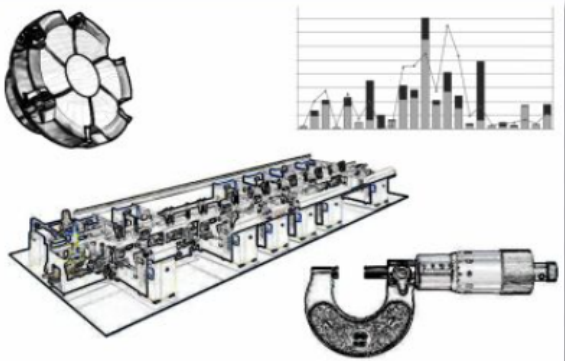
PT/T

PT/U

PWT

QM

ProdWEB



Welcome to ProdWEB

If you are not registered, choose the General view on the left-hand side and the First steps menu item

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Plant 10

PT/M Consists of Production Engine information

All Engine Component Manufacturing information is present in node PT/MVM

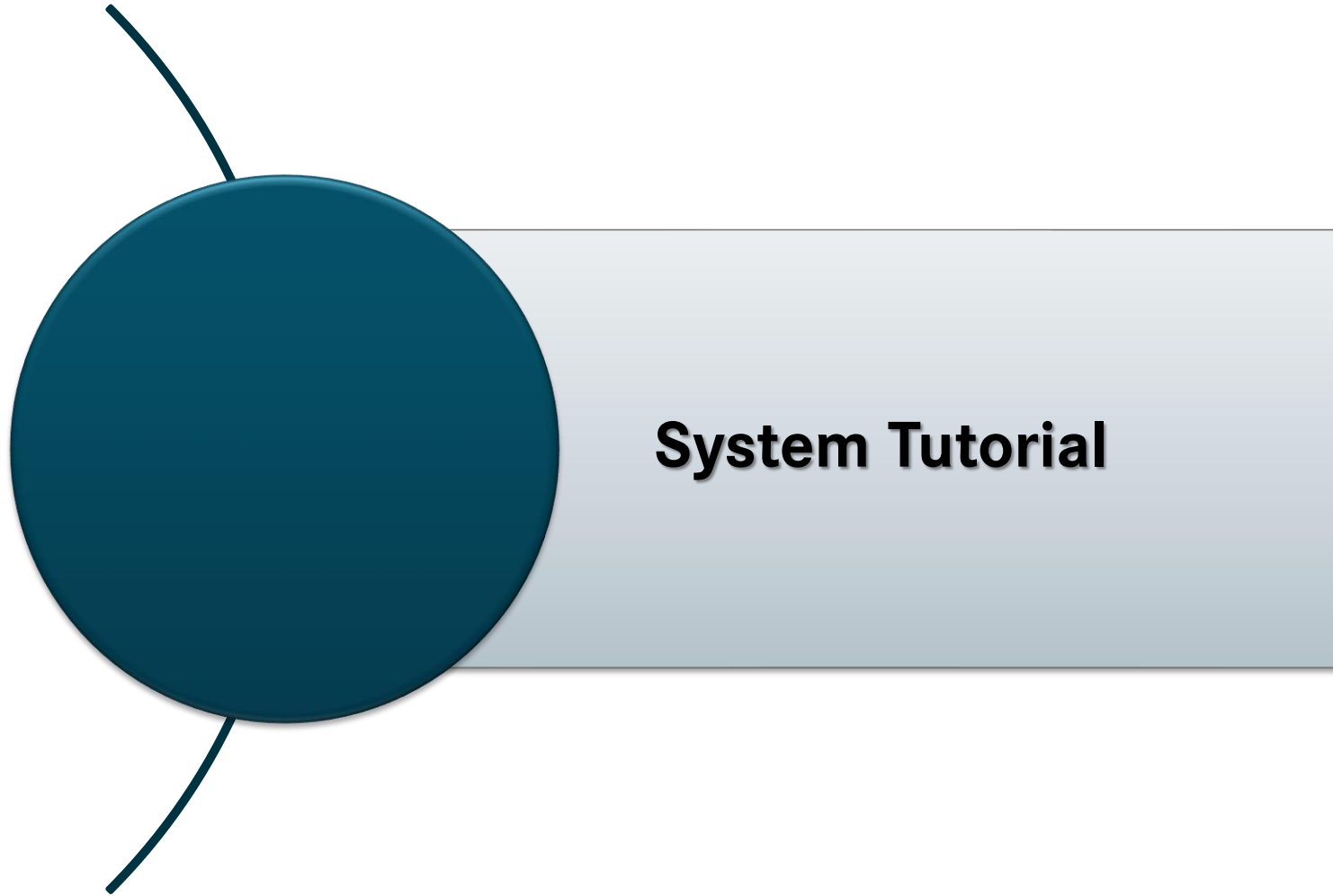
On Click of login button Prod web page is displayed.

PLA user can select respective Plants and Cost center and access the PLA application

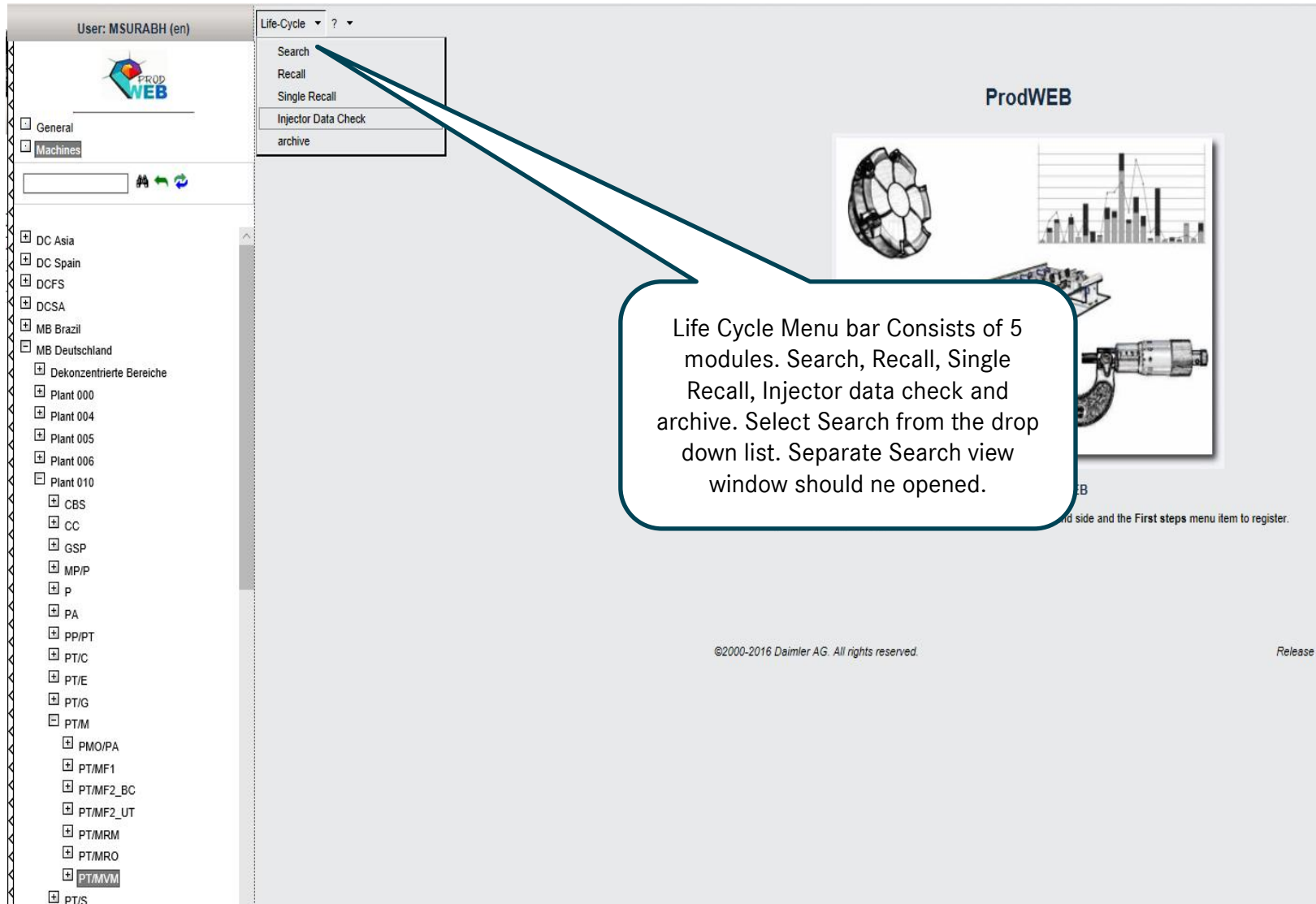
To select particular node navigate from Machines->Plant 10 →Production Engines[PT/M] → PT/MVM

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Content



System Tutorial Navigation



PLA-User can access any module based on the rights assigned to each user. On Click of Search module Search view page will be displayed

MBRDI is only responsible for Search, Recall, Single recall and Injector Data check. Archive is not in the scope of MBRDI.

Search View Page

PLA application

prodweb-dev1.e.corpintra.net/pla/tu/protected/singleRecall.xhtml?ts=1604215527487

https://prodweb-dev.e.corpintra.net/pla/tu/protected/searchView.xhtml?ts=1604898820997

Search

Search English PLA-TU (1.7.4) PLA-DEV ZA2XAE08

Limit results 30000 Current criteria system_default

Criteria group

✓ default search

part ID

=

✓ default search

part number

=

✗ default search

station

=

✗ default search

processing time

from

D1339 80060001

and

-

+

and

-

+

and

-

+

and

-

+

→

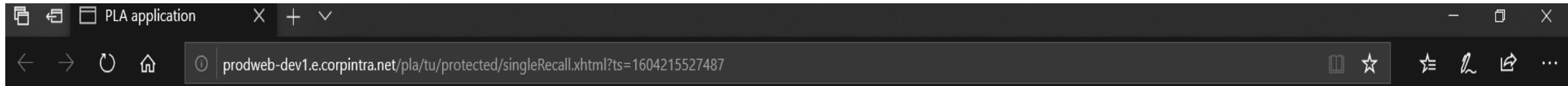
Reset Reset to user default Reset to system default

SQL Search

Enter the part id as D1339 80060001 and click on search button.

Click on search button

Search Result Page



Search Search Result

Parts Assembly Parts

Columns

1 Records found (Page 1 of 1)

part ID	part-number	name	overall status	assembly level	system	processing start	processing end	parent part ID	
D1339 80060001	A1330107800	A1330107800	IO	1	ZSPT	11/13/2015 05:05:33	11/16/2015 09:20:11	D1339 80060001	
part ID	part-number	name	overall status	assembly level	system	processing start	processing end	parent part ID	

1 Records found (Page 1 of 1)

On the Search result page click on the Part Id link

Life Cycle

Life Cycle

- ▼ A1330107800
 - Quality
 - Production
 - Recall
 - Injectors
 - Parts list
 - Parts

Basic data Chronology

Main data	
Part ID	D1339 80060001
Part number	A1330107800
Part name	A1330107800
Assembly	
Assembly	
Status	
Additional data	
REES	
VEDO	
Charge	
Order	
Assembly	
Application	
Drawing version	
Q-level	-
Supplier ID	-
Supplier name	-
Part source	-
System	ZSPT
Incoming ID	-
Documentation flag	-
Part number	-

The chronology is a summary of all the work steps, recalls, transport messages and so on which have happened during the part's life cycle. The chronology is used to display all of these events in a chronological order. The chronology tab is always available and cannot be closed. Chronology data grid should get arranged by default based on timestamp(date column)

Product information	
Product Label	A1330107800 13398080060001X
Type	133980
Variant	118255
Type series	D1339
Vehicle series	-
Factory	010
Steering	L
Cylinder capacity	M20
Codes	L,M20,F117
Dialog codes	
Gear ratio	
Error ID	
Work plan	
A1	
A2	
A3	

Order information	
Line net	RO2_MODUL1_LN
AmSECAM ID	A07324893902
Vehicle ID	0004020204
Order ID	D1339 80060001
Equipment	133
Customer ID	10005403
Unloading point	490J

Main data Additional part information should be always visible And only visible if data is available-Product Information Order Information and Assembly Information

Life Cycle

https://prodweb-dev.e.corpintra.net/pla/tu/protected/partTree.xhtml

Life Cycle

A1330107800

Quality

Production

Recall

Injectors

Parts list

Parts

ZB ZYLINDERKOPF

Quality

Production

Parts

ZK Rohteil

AGGREGATETRAEGER

AUSPUFFKRUEMMER

DRUCKLEITUNGEN HD-I

KUEHLMITTELPUMPE

KURBELWELLE

KW-ABSCHLUSSDECKE

Ladeluftkuehler

LU ABGASTURBOLADER

LU HOCHDRUCKPUMPE

MOTORLEITUNGSSATZ

NOCKENWELLE AUSLAS

NOCKENWELLE EINLAS

NW-VERSTELLER AUSL

NW-VERSTELLER EINLA

OELPUMPE

PLEUELSTANGE

PLEUELSTANGE

PLEUELSTANGE

PLEUELSTANGE

SCHWING.D/RIEMENSC

Steuerventil (Sound Symp

UNTERDRUCKPUMPE

verwendeter WT

Werkerkennung

ZB KOLBEN

ZB KOLBEN

Zylinderkopf

Basic data

Chronology

Main data

Part number

Part name

Assembly start date

Assembly end date

Status

Additional data

VEDOC ID

Charge ID

Order number

Assembly line

Application date

Drawing version

Quality

Supplier

Supplier name

Part source

System

Incoming ID

Documentation flag

Part number

Product information

Product Label

Type

Variant

Type series

Vehicle series

Factory

Steering

Cylinder capacity

Codes

Dialog codes

Gear ratio

Error ID

Work plan

A1

A2

A3

This is the Root node for this Parts Life cycle.

These are (Sub) Root nodes for attached parts

These are (Sub-Sub) Root nodes for attached parts

Life Cycle_Quality

Expand the Quality nodes from Left hand side.

The small data grid on top of the quality tab shows general information (part ID and part number)

selects any check-step from the accordion or any check-step node from the tree

31 Records found (Page 1 of 1)

Checkpoint	End-date	Status	Checker	Shift
M080	11/16/2015 07:29:06	IO	-	-

Print Preview

Status	Checkpoint	Machine	User	Shift	Remark	Programm	Version	Test job	Error-code	Doc-type	A1	A2	A3
IO	M080	-	-	-	-	1	-	-	-	-	-	-	-
IO	M080	-	-	-	-	4	-	-	-	-	-	-	-
IO	zt1	015 07:35:27	-	-	-	-	IO	MDC	-	-	-	-	-
IO	LT M180	015 08:27:08	-	-	-	-	IO	-	-	-	-	-	-
IO	EFT_05	015 08:59:47	-	-	-	-	IO	gerd	-	-	-	-	-
IO	CHECK M133 Verschraubung	11/16/2015 09:06:32	-	-	-	-	IO	PLA	-	-	-	-	-
IO	VKON_M190-4	11/16/2015 09:12:10	-	-	-	-	IO	-	-	-	-	-	-
IO	Gesamtstatus Check	11/16/2015 10:39:17	-	-	-	-	IO	Loader M270	-	-	-	-	-
NIO	GÜSI PS33	12/08/2015 12:00:43	-	-	-	-	NIO	-	-	-	-	-	-
IO	Gesamtstatus Check	12/10/2015 12:11:52	-	-	-	-	IO	Loader M270	-	-	-	-	-
IO	Gesamtstatus Check	12/10/2015 16:52:58	-	-	-	-	IO	Loader M270	-	-	-	-	-
NIO	injector data check	10/26/2017 08:14:54	-	-	-	-	NIO	-	-	-	-	-	-
NIO	injector data check	10/27/2017 05:32:12	-	-	-	-	NIO	-	-	-	-	-	-
NIO	injector data check	10/27/2017 10:33:51	-	-	-	-	NIO	-	-	-	-	-	-
NIO	injector data check	10/27/2017 10:40:00	-	-	-	-	NIO	-	-	-	-	-	-
NIO	injector data check	01/11/2018 14:27:33	-	-	-	-	NIO	-	-	-	-	-	-
NIO	injector data check	01/11/2018 14:27:40	-	-	-	-	NIO	-	-	-	-	-	-
NIO	Injektorvergleich	01/11/2018 14:32:12	-	-	-	-	NIO	-	-	-	-	-	-
NIO	injector data check	01/12/2018 10:32:38	-	-	-	-	NIO	-	-	-	-	-	-
NIO	injector data check	06/22/2018 14:40:34	-	-	-	-	NIO	-	-	-	-	-	-
IO	injector data check	06/22/2018 14:40:56	-	-	-	-	IO	-	-	-	-	-	-
NIO	injector data check	06/22/2018 14:41:15	-	-	-	-	NIO	-	-	-	-	-	-

Life Cycle_Quality_Check-Step

 https://prodweb-dev.e.corpintra.net/pla/tu/protected/partTree.xhtml#partTree_innerlayout_layoutunitwest_parttreeform:partTree_innerlayout_layoutunitwest_parttreeform_tree:0:partTree_innerlayout_layoutunitwest_parttree

The screenshot shows the PLA-System interface. On the left is a 'Life Cycle' tree with a list of parts and their status. The main area is divided into tabs: 'Basic data', 'Chronology', and 'Quality'. The 'Basic data' tab is active, showing 'Part ID D1339 80060001' and 'Part number A1330107800'. A modal pop-up window titled 'Check-step data' is open, displaying detailed information for a specific check-step. The modal includes a 'Print Preview' button and a table of measured values.

Check-step data

Part ID D1339 80060001
Part number A1330107800

Checkpoint M080 Status IO

Step Wasser - PP1 Part-status -

Start date - Program 1

End-date 11/16/2015 07:29:06 Version -

Machine - Test job -

User - Error code -

Shift - Doc-type -

Carrier ID - A1 -

Remark - A2 -

A3 -

Status	Description	Dimension	Lower limit	Measured value	Upper limit	Measured value char	Expected value	KFN
IO	LECKRATE	cm³/min	-5.00	0.03	10.00	-	0.00	-
IO	MESSDRUCK	bar	0.900	0.993	1.200	-	1.000	-

Life-Cycle_Production

https://prodweb-dev.e.corpintra.net/pla/tu/protected/partTree.xhtml#partTree_innerlayout_layoutunitwest_parttreeform:partTree_innerlayout_layoutunitwest_parttreeform_tree:0:partTree_innerlayout_layoutunitwest_parttreeform_tree_qualityrootchild_works

Life Cycle

A1330107800

Quality

Production

Assembly

V010_1

V010_1

Ab.133 Bereich 5

V010_1

V010_1

Ab.133 Bereich 10

M010_1

Ab.133 Bereich 10

M010_1

M020_MS1

M020_MS1

M020_MS1

M020_MS1

M020_MS1

M020_MS1

M020_MS2

M020_MS2

M020_MS2

M020_MS2

M020_1

M020_2

M020

Ab.133 Bereich 20

M030_1

M030_1

Ab.133 Bereich 30

M030

M040_MS1

Part ID D1339 80060001

Part number A1330107800

145 Records found (Page 1 of 1)

Workstep ID	End date	Step	Machine	Status	Worker	Shift	Remark									
V010_1	11/16/2015 06:13:25	V010_1	-	-	-	-	-									
Print Preview																
Status	Workstep ID	Step	Start date	End date	Assembly type	Worker	Shift	Remark	Program	Version	Test job	Error code	Doc-type	A1	A2	A3
-	V010_1	V010_1	11/16/2015 06:13:03	11/16/2015 06:13:25	Bosch	-	-	-	-	S168800	-	-	-	-	-	-
0	V010_1	V010_1	11/16/2015 06:14:50	V010_1	-	-	-	-	-	-	-	-	-	-	-	-
0	V010_1	V010_1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	Ab.133 Bereich 5	-	-	-	000104	-	-	-	-	-	-	-	-	-	-	-
0	V010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M010_1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	Ab.133 Bereich 1	-	-	-	000104	-	-	-	-	-	-	-	-	-	-	-
0	M010	11/16/2015 06:28:34	Montage Kolben	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS1	11/16/2015 06:33:10	M020_MS1	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS1	11/16/2015 06:33:21	M020_MS1	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS1	11/16/2015 06:33:30	M020_MS1	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS1	11/16/2015 06:33:41	M020_MS1	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS1	11/16/2015 06:33:51	M020_MS1	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS2	11/16/2015 06:34:05	M020_MS2	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS2	11/16/2015 06:34:10	M020_MS2	-	-	-	-	-	-	-	-	-	-	-	-	-
0	M020_MS2	11/16/2015 06:34:22	M020_MS2	-	-	-	-	-	-	-	-	-	-	-	-	-

SQL

Expand the Production nodes from Left hand side.

The small data grid on top of the Production tab shows general information (part ID and part number)

selects any Work-Step from the accordion or any Work-Step node from the tree

Scroll bar is present

Life-Cycle_Production_Work-step

Life Cycle

A1330107800

Quality

Production

Assembly

V010_1 11/16/2015 06:16

V010_1

V010_1 11/16/2015 06:16

V010_1 11/16/2015 06:16

Ab.133 Bereich 5 11/16/2015 06:16

V010_1 11/16/2015 06:16

M010_1 11/16/2015 06:16

Ab.133 Bereich 10 11/16/2015 06:16

M010_1 11/16/2015 06:16

M020_MS1 11/16/2015 06:16

M020_MS1 11/16/2015 06:16

M020_MS1 11/16/2015 06:16

M020_MS1 11/16/2015 06:16

M020_MS1 11/16/2015 06:16

M020_MS1 11/16/2015 06:16

M020_MS2 11/16/2015 06:16

M020_MS2 11/16/2015 06:16

M020_MS2 11/16/2015 06:16

M020_MS2 11/16/2015 06:16

M020_MS2 11/16/2015 06:16

M020_MS2 11/16/2015 06:16

M020_1 11/16/2015 06:16

M020_2 11/16/2015 06:16

M020_1 11/16/2015 06:16

Ab.133 Bereich 20 11/16/2015 06:16

M030_1 11/16/2015 06:16

M030_1 11/16/2015 06:16

M030_1 11/16/2015 06:16

M030_1 11/16/2015 06:16

Ab.133 Bereich 30 11/16/2015 06:16

M030_1 11/16/2015 06:16

M040_MS1 11/16/2015 06:16

M040_1 11/16/2015 06:16

M040_1 11/16/2015 06:16

M040_1 11/16/2015 06:16

Basic data

Chronology

Production

Part ID D1339 80060001

Part number A1330107800

Workstep data

Print Preview

Part ID D1339 80060001

Part number A1330107800

Workstep ID	V010_1	Status	-
Step	V010_1	Part-status	-
Start date	11/16/2015 06:13:03	Program	-
End-date	11/16/2015 06:13:25	Version	S168800
Machine	-	Test job	-
Assembly type	Bosch	Error-code	-
Worker	-	Doc-type	-
Shift	-	A1	-
Carrier ID	-	A2	-
Remark	-	A3	-

Status	Description	Dimension	Lower limit	Measured value	Upper limit	Measured value char	Expected value	K
IO	Schraubstelle: 01 Moment	Nm	7.75	8.53	9.05	-	-	-
IO	Schraubstelle: 01 Winkel	Grad	8.00	20.25	80.00	-	-	-
IO	Schraubstelle: 02 Moment	Nm	18.40	20.24	21.60	-	-	-
IO	Schraubstelle: 02 Winkel	Grad	10.00	22.47	80.00	-	-	-
Status	Description	Dimension	Lower limit	Measured value	Upper limit	Measured value char	Expected value	

PLA-System displays a modal pop-up window, showing detailed information about the currently selected Work-Step data

Life Cycle

Lifecycle – logistics

The logistics node is used to display all available logistics information related to the actual part. If no information is available, the node is not shown in the tree. If logistics information is available, every sub node of the shipments node represents one shipment.

Lifecycle – recalls

The recall view summarizes all the recalls, the part is assigned to. It's also used to display the historic recall data, so that every recall operation can be tracked by the PLA-User / PLA-Recall User.