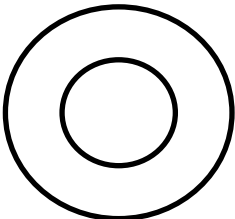
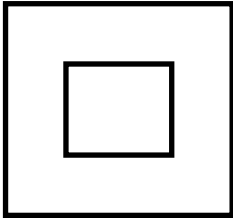
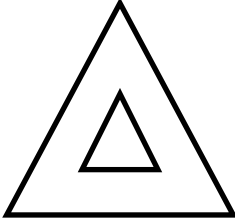
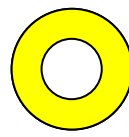
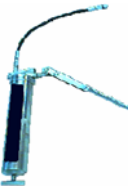
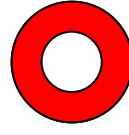
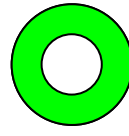
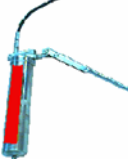
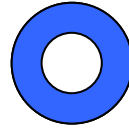


		EQUIPMENT SPECIFICATION SHEET	
			REV.
PROJECT TITLE All SAINT-GOBAIN Plants		PROJECT NO. 1500	C
DESIGN CAPACITY		BELT SPEED	
PROCESS AREA All Process Areas		DOC. NO.	
EQUIPMENT ITEM Standard for Lubrication		SHEET 1 of 8	
1	<u>REASON FOR USE:</u> All equipment requiring lubrication should have an identification (marking) according to principles below: • Indication of all greasing points with a label. • Each type of lubrication is identified by the label shape. • A colour identifies the lubrication specification name. • For each piece of equipment, any lubrication points should be numbered. • With an indication of the lubrication frequency for each point. • And an indication of the grease quantity needed for each point.		
2	<u>LABEL SHAPE CODE:</u> ➤ Circle: lubricant like GREASE ➤ Square: lubricant like SPRAY ➤ Triangle: liquid lubricant like OIL    The labels should cover an area of approx. 40mm square		

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EQUIPMENT ITEM	Standard for Lubrication	SHEET 2 of 8

3 GREASE PUMP COLOUR CODE

GREASE GRADE	TYPICAL BRANDS	VISCOSITY RANGE	PUMP OR CARTRIDGE	LABEL
NLGI class 00	Aral Eural Grease EP 00 ELF Multi BT 000 Esso TCL 435 FUCHS RENOLIT EP 00 Mobile Mobilgrease EAL 003 Texaco Multifak 6833 EP 00 Shell Alvania GL 00	400..430		 (RAL 1023)
NLGI class 0	Aral Eural Grease EP 0 BP Energrease LS-EP 0 Esso Beacon EP 0 Mobile mobilux EP 0 Shell Alvania EP 0	335..385		 (RAL 9017)
NLGI class 1	Aral Eural Grease EP 1 BP Energrease LS-EP 1 Esso Beacon EP 1 Mobile mobilux EP 1 Shell Alvania EP 1	310..340		 (RAL 3020)
NLGI class 2	Aral Aralub HLP 2 BP Energrease LS-EP 2 Esso Beacon EP 2 FUCHS RENOLIT EP 2 Mobile mobilux EP 2 Shell Alvania EP 2	265..295		 (RAL 6024)
NLGI class 3	Esso Beacon EP 3 Mobile mobilux EP 3	220..250	 	 (RAL 5017)

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4 SPRAY COLOUR CODE

SPRAY GRADE	TYPICAL BRAND NAME	VISCOSITY AT 40 C	CONTAINER	LABEL
Mineral Oil with Graphite As Solid Lubricants	STABYLAN G 1000 Spray	20mm2/s	Aerosol	 (RAL 6024)
Lubricating Fluid with White Solid Lubricants	STABYLAN W 880 Spray	20mm2/s	Aerosol	 (RAL 1028)
Semi-synthetic Lubricating Fluid	STABYLAN 2001 Spray	215mm2/s	Aerosol	 (RAL 8007)
Lubricating Fluid Based on Mineral Oil without Solid Lubricants	STABYLAN H 325 Spray	235mm2/s	Aerosol	 (RAL 7042)
Fully Synthetic High Temperature Lubricating Fluid	STABYLAN 3001 Spray	160mm2/s	Aerosol	 (RAL 4006)
Synthetic Oil for High Temperatures	STABYLAN 5001 Spray	210mm2/s	Aerosol	 (RAL 3020)
Others				 (RAL 5017)

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EQUIPMENT ITEM	Standard for Lubrication	SHEET 4 of 8

5 OIL COLOUR CODE

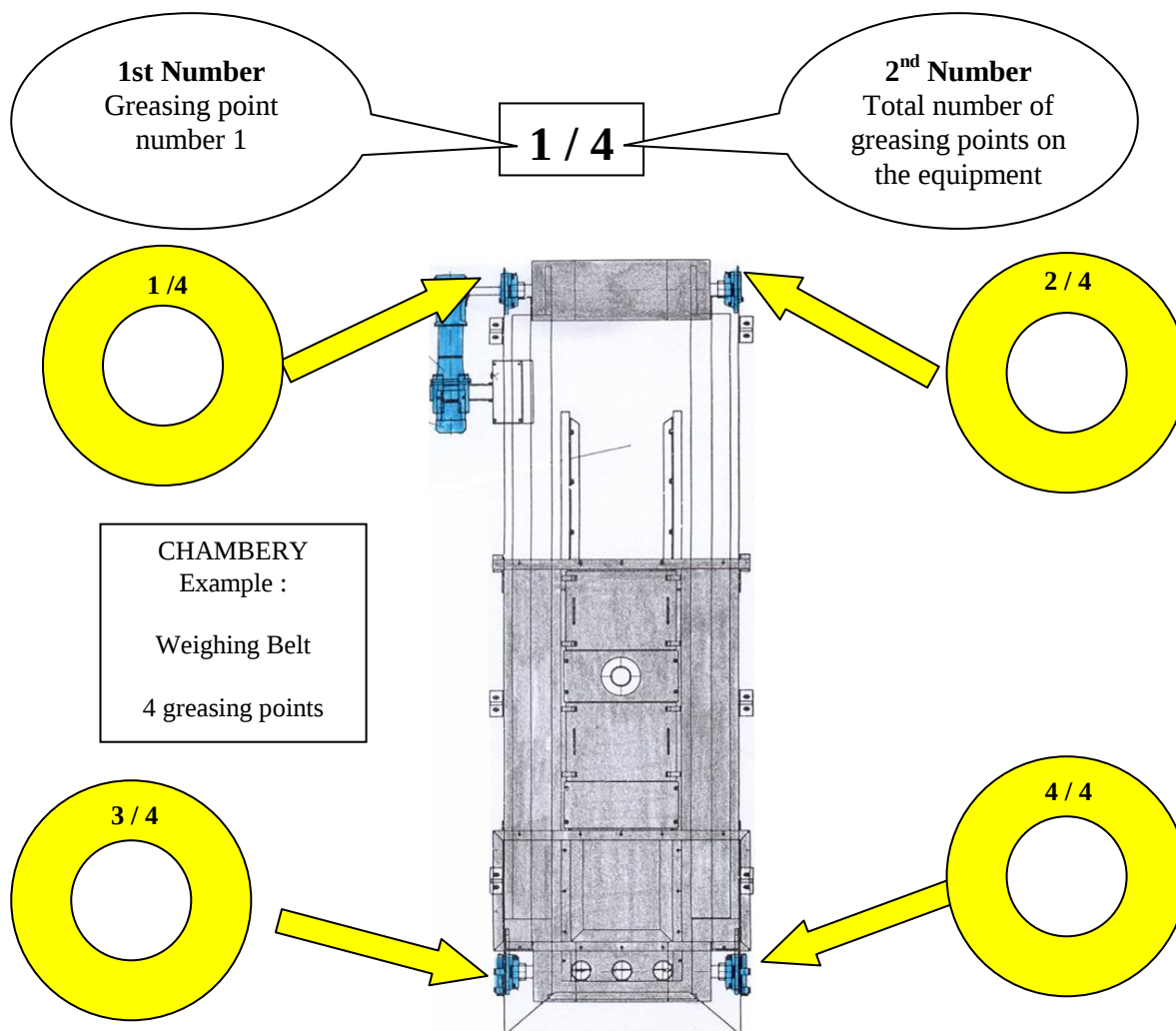
OIL GRADE	BRAND NAME	VISC. RANGE	CONTAINER	Label
ISO VG 100	Aral Motanol HK100 BP Energol CS 100 Esso Nuray 100, Nuto H 100 Fina Cirkan 100 FUCHS Renolin 208, Renolin 104 Mobil Vactra Oil Heavy Shell Tellus Oil C100	More than 90 less than 110 (at 40 degrees C)	Barrel	 (RAL 5017)
ISO VG 150	Aral Degol BG BP Energol GR-XP DEA Falcon CLP 150 Esso Spartan EP Mobil Mobilgear 629 Shell Omala	More than 135 less than 165 (at 40 degrees C)	Barrel	 (RAL 3020)
ISO VG 220	Aral Motanol GM220 or HK220 BP Energol RC220 or HLP220 Castrol Magna 220 / Alpha 220 Esso Nuto H220 Mobil DTE Oil BB Shell Morlina OL 220	More than 198 less than 242 (at 40 degrees C)	Barrel	 (RAL 4006)
ISO VG 320	Aral Degol BMB 320 BP Energol GR-XP 320 Esso Spartan EP 320 Mobil Mobilgear 632 Shell Omala 320	More than 288 less than 350 (at 40 degrees C)	Barrel	 (RAL 1023)
ISO VG 460	Aral Degol GS460 BP Enersyn SG-XP460 Esso Umlaufol S460 Mobile Glygoyle HE460 Shell Tivela OIL SD	More than 414 less than 506 (at 40 degrees C)	Barrel	 (RAL 9017)
ISO VG 680	Aral Degol BG 680 BP Energol GR-XP 680 Esso Spartan EP 680 Mobil Mobilgear 636 Shell Omala 680	More than 612 less than 748 (at 40 degrees C)	Barrel	 (RAL 8007)

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6 NUMBERING of ALL the GREASING POINTS

- Numbering with 2 numbers separated by a slash



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EQUIPMENT ITEM	Standard for Lubrication	SHEET 6 of 8

7 LUBRICATION FREQUENCY

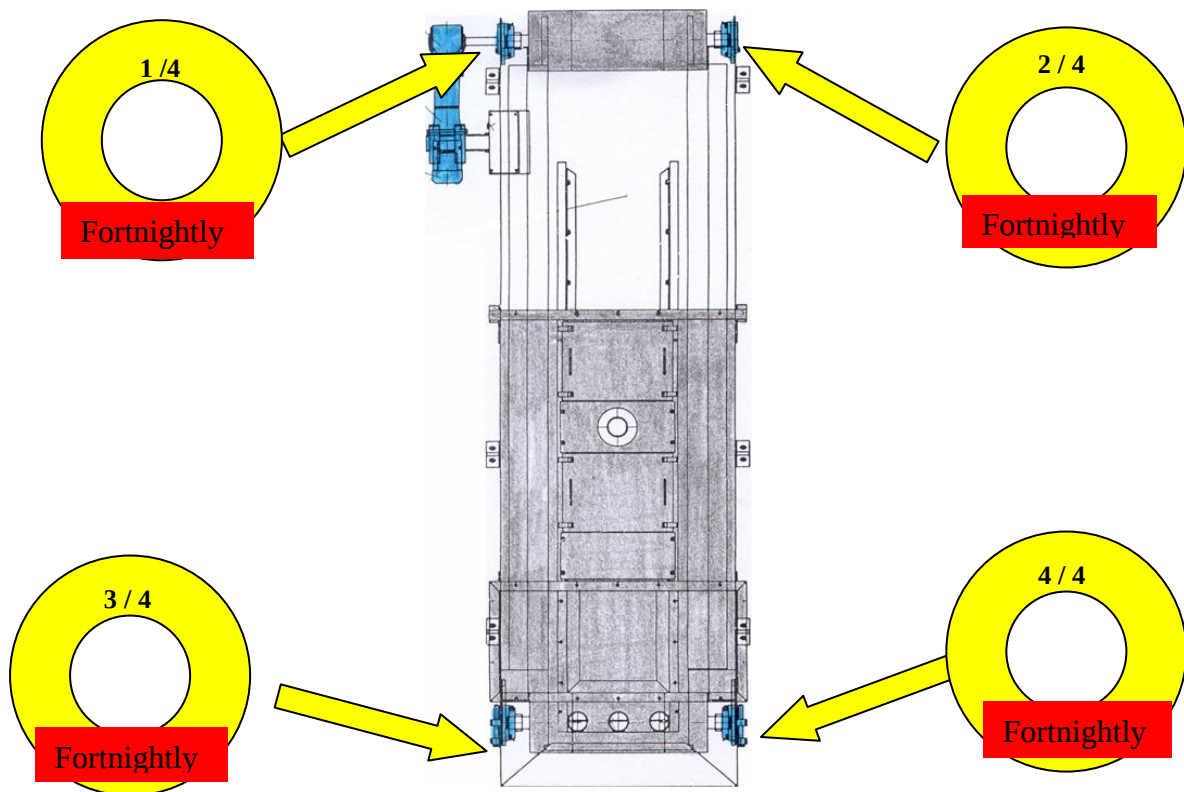
- The lubrication frequency is written on the label with a colour code:

Frequency colour code	
Purple (RAL 4006)	... Shift ...
Green (RAL 6024)	... Daily ...
Orange (RAL 2009)	... Twice-weekly ...
Brown (RAL 8007)	... Weekly ...
Red (RAL 3020)	... Fortnightly ...
Yellow (RAL 1023)	... Monthly ...
Blue (RAL 5017)	... Quarterly ...
Grey (RAL 7042)	... Bimonthly ...
Black (RAL 9017)	... Annual ...

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8 Example: Weighing Belt, 4 greasing point FORTNIGHTLY



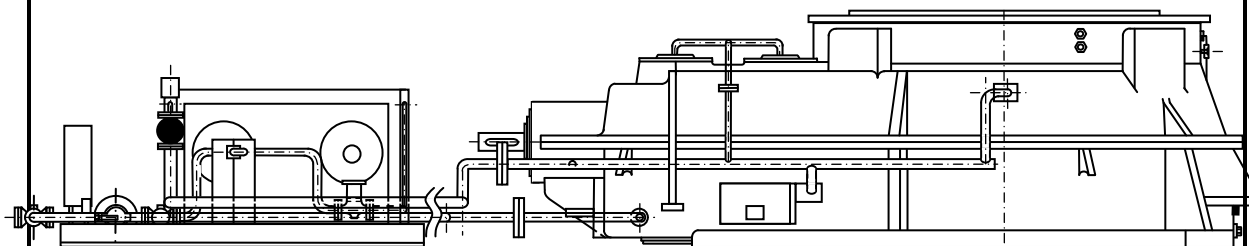
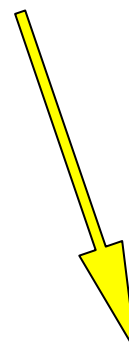
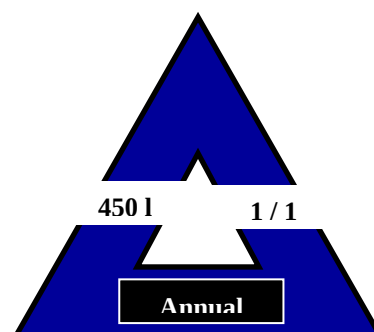
EQUIPMENT SPECIFICATION SHEET

			REV.
PROJECT TITLE	All SAINT-GOBAIN Plants	PROJECT NO.	1500
DESIGN CAPACITY		BELT SPEED	
PROCESS AREA	All Process Areas	DOC. NO.	
EQUIPMENT ITEM	Standard for Lubrication	SHEET	8 of 8

9 LUBRICATION QUANTITY

- The lubrication quantity is written on the label:

Example :
Claudius Peter GEAR BOX
Oil REDUCTELF SP 150
1 greasing point
Annual
450 litres



REV	DATE	DESCRIPTION	BY	APPROVED
C	6/06/2014	Updated Document Number	John Lucian	