CURRENT REVISION			D	D
ECO	BY	DATE	DWG	PART
2014	TWR	7 AUG 26	C	C
2021	TWR	25 SEP 26	D	D

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Table 1: Customer References

Description	Number	Revision
SLO (Synthetic Lube Oil) Lube and Scavenge Pump, SGT-A35	E1A2983860/E1B101431894	---
Pump Specification	AS5028 Appendix 7	2

1

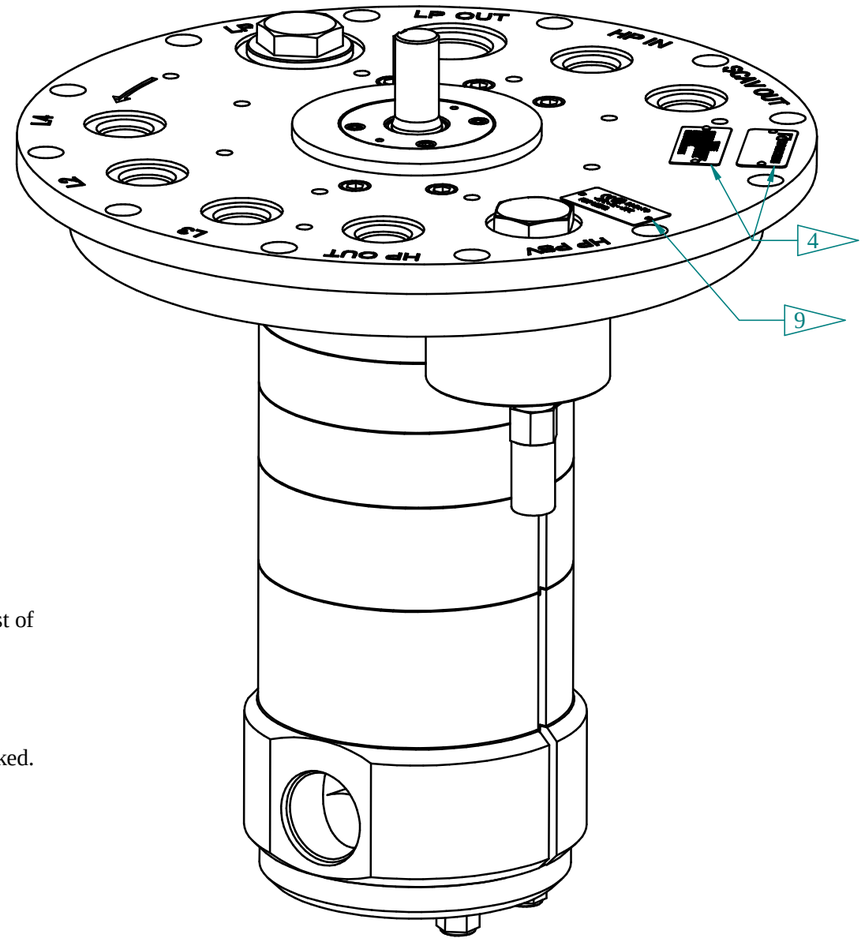
Table 2: Pump Circuit Data (Rated Performance)

Circuit Designation	Description	Displacement (in^3/rev)	Design pressure (psig)	Relief Setting (psig)
LP OUT	Lube Oil Outlet	2.375	240	350
L2	Front Bearing Scavenge Inlet	.356	-5 TO 25	N/A
L3	Center Bearing Scavenge Inlet	1.403	-5 TO 25	N/A
L4	Rear Bearing Scavenge Inlet	1.403	-5 TO 25	N/A
HP OUT	Hydraulic Oil Outlet	.713	750	1000
HP IN	Hydraulic Oil Inlet	N/A	0 TO 350	N/A
SCAV OUT	Common Scavenge Outlet	N/A	0 TO 25	N/A

Table 3: Included Documentation

11

Certificate of Conformance
Acceptance Test Data Sheet
Packing Slip



Notes:

1. ▻ This pump part number (PN) is a drop-in replacement for the legacy Cascon PN 102-D-071 (Customer PN RRE004491). This pump contains the following list of design improvements: sleeve bearing material, bearing and seal lubrication, bearing alignment and face seal materials.
2. This product is designed to conform to the customer references shown in Table 1.
3. Item shall be factory tested in accordance with Cascon specification, 102-S-001.
4. ▻ Item shall be marked with part number, revision, and serial number as shown. Nameplate Detail, Warning Label Detail and ATEX Label Detail to be laser marked.
5. Approximate weight: 192lbs [87kg].
6. Rated speed 2950 to 3600rpm. Rotation is counter-clockwise when viewed from pump drive end.
7. ▻ The pump is designed to be mounted vertically into the supply reservoir. Sealing is provided at the shaft interfaces only. A gasket must be supplied at the mounting flange-tank interface.
8. ▻ Relief valve discharge exits pump through SAE straight thread o-ring ports below the mounting flange.
9. ▻ ATEX and CE Machine Directive certified at rated operating conditions only.
10. Refer to Cascon drawing 102-588-X for valve and seal rebuild kits.
11. ▻ Table 3 lists standard documentation provided with each pump. Additional material certifications are available upon PO request.
12. ▻ Mounting holes are sized to accommodate both 3/8 inch and 10mm socket head cap screws.
13. Traceability: CASCON CLASS 1C. Item shall remain traceable by serial number to material lots, special processes, inspection records and other identified characteristics.
14. Reference 102-S-512 for installation and maintenance instructions.
15. Reference 102-D-502-1 (for Cascon Internal Use only).

Unless Otherwise Specified:
Dimension are in inches [mm]
Finish is 125 Microinch Ra Max
Internal Radii .020 Max
Tolerances are:

.X	+/-	.030
.XX	+/-	.015
.XXX	+/-	.005
Angles	+/-	1/2 Degree

Drawing Interpretation per ASME Y14.5-2009 and CASCON 10-S-003

CASCON

TITLE
Product Drawing, SGT-A35, SLO Lube and Scavenge Pump

DRAWING NO. 102-501-1 1

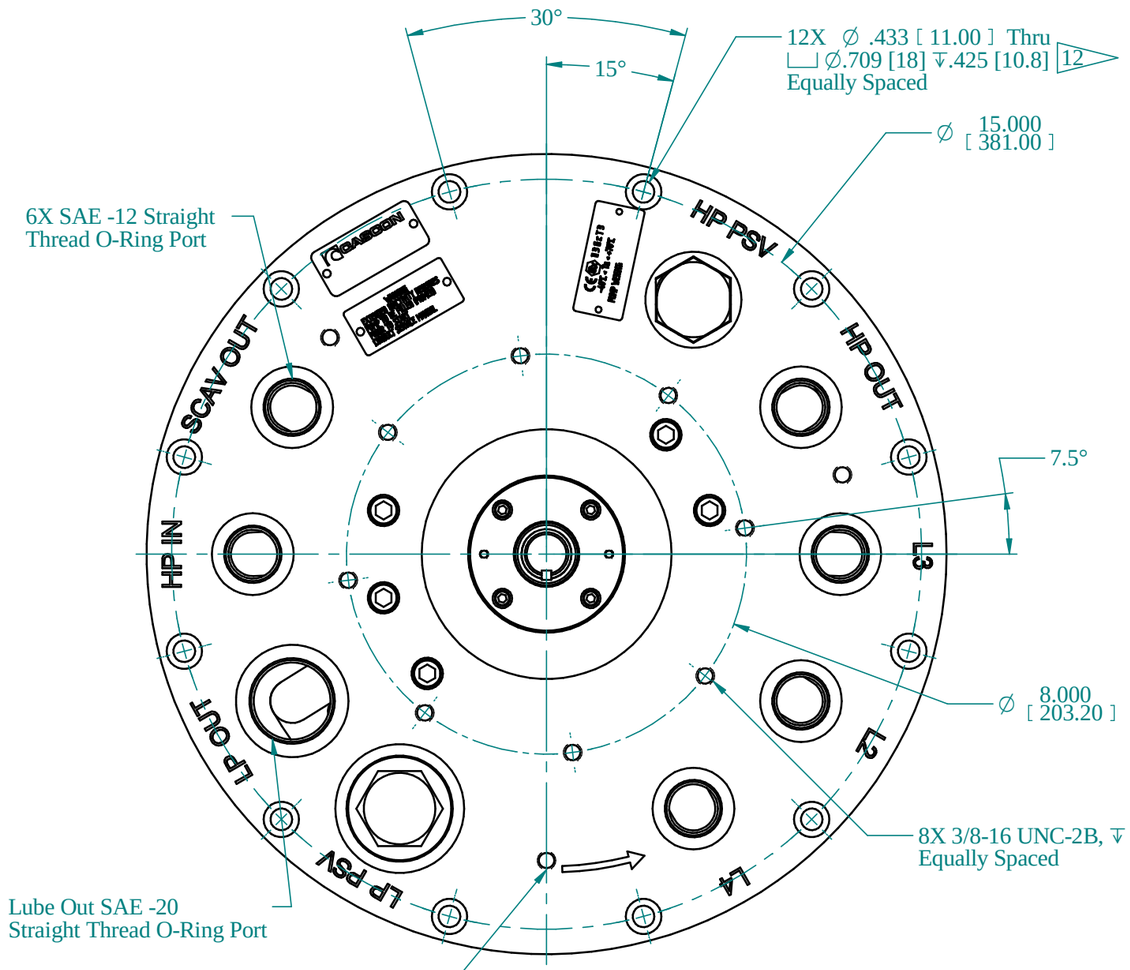
SHEET 1 of 3

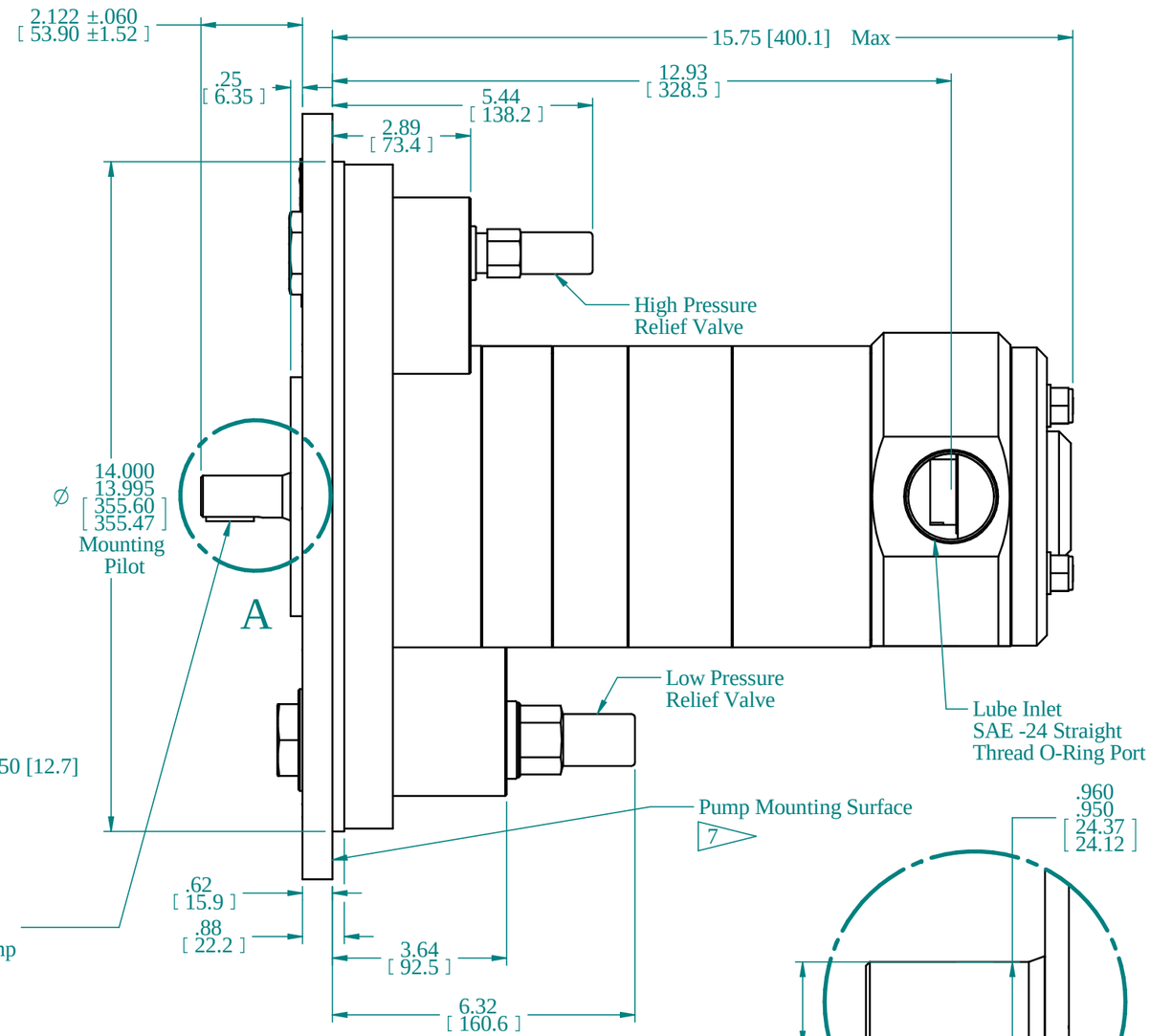
DRAWN: TWR, 28 JUL 23

ENGINEER: WRB, 28 JUL 23

CURRENT REVISION	D	D

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Detail A

WARNING
EXTENDED INACTIVITY REQUIRES
PUMP TO BE FILLED (PRIMED)
PRIOR TO START
CONSULT SERVICE MANUAL

CASCON

P/N: 102-501-1 REV: "X"
S/N: "XXX" "MM-DD-YY"
CUSTOMER P/N: E1A2983860
CUSTOMER P/N: E1B101431894

CE Ex II 3 G c T 3
-40°C < Ta < +70°C
PUMP WEIGHT: 87.1 KG

4 Warning Plate Detail

4 Nameplate Detail

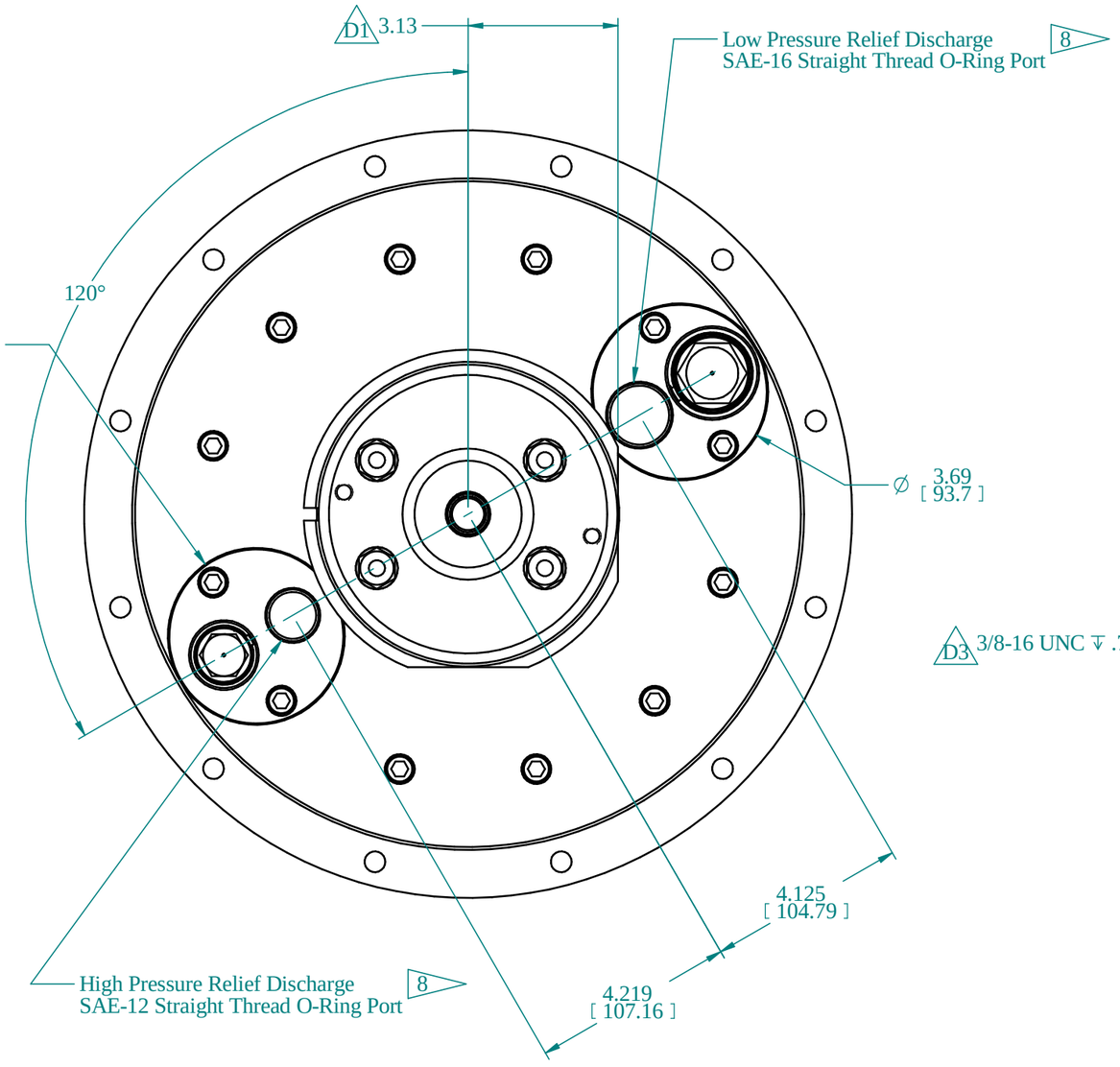
9 4 ATEX Label Detail

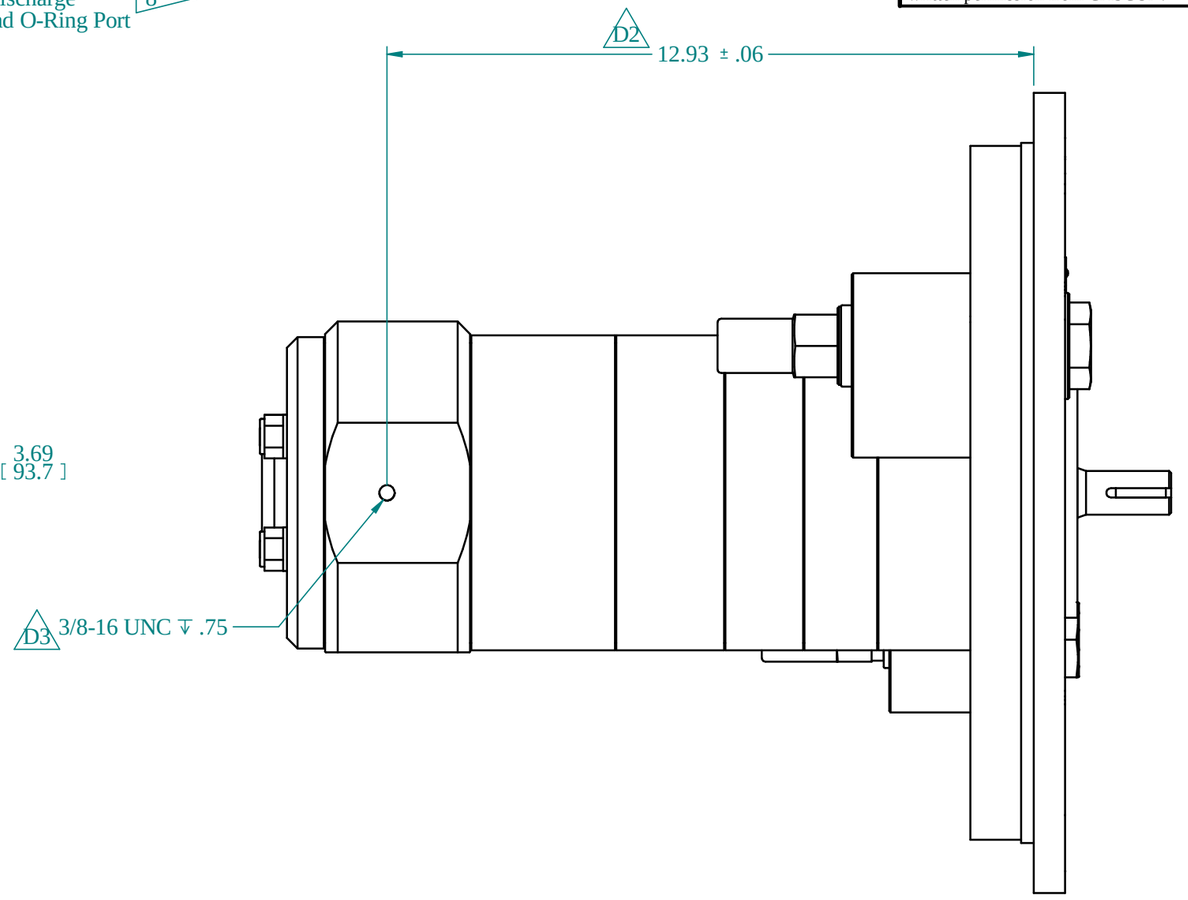
CASCON

DRAWING NO.	SHEET
102-501-1	2 OF 3

CURRENT REVISION	D	D

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DRAWING NO.	SHEET
102-501-1	3 OF 3