

LIST OF CONNECTION		
NOZZLE	DESCRIPTION	RATING
A	Oil filling	50
B	Oil return	3"
C	To oil conditioner	1/2" 150# RF
D	From oil conditioner	1/2" 150# RF
CWI	Cooling water inlet	1/2" 150# RF
CWO	Cooling water outlet	1/2" 150# RF
G	Lube oil supply to fan bearings	1/2" 150# RF
H	Spare	1"
I	Base drain	1"
J	Oil drain tank	1/2" 150# RF

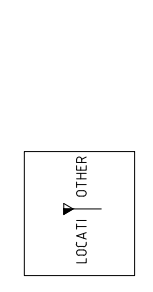
LUBE OIL RETURN	
inlet pressure	ATM
inlet temperature	65°C

LUBE OIL SUPPLY	
outlet pressure	2 barg
outlet temperature	45°C
flow	44 l/min

CW INLET TO COOLER	
inlet pressure	1/2" ANSI 150# RF
inlet temperature	39°C
flow	7.395 m <sup>3</sup> /h

CW OUTLET FROM COOLER	
outlet pressure	1/2" ANSI 150# RF
outlet temperature	43°C

NOTE:  
 (1) TEMPERATURE ELEMENTS ARE DUREX TYPE  
 (2) LEVEL TRANSMITTER ARE DIFFERENTIAL PRESSURE TYPE  
 (3) COMMON SUFFIXES FOR ABBREVIATION INDICATING ALARM AND TRIP  
 (4) EXAMPLE: L100M-DWR-HH-HIGH-HIGH TRIP  
 (5) ALL INSTRUMENT TAG NUMBERS HAVE SUFFIX 'B' FOR EXAMPLE 'B-10-157A1'  
 (6) 'TAH' = TEMP. ALARM HIGH (ALARM)  
 (7) 'TAH' = TEMP. ALARM HIGH (TRIP)  
 (8) 'TAH' = TEMP. ALARM HIGH (TRIP)  
 (9) 'TAH' = TEMP. ALARM HIGH (TRIP)



NO COMMENT: Documents/Drawings were checked by purchaser and further steps can be followed.  
 COMMENTS AS MARKED: Documents/Drawings were checked by purchaser and marked comments must be followed by vendor. Comments marked as 'CHECKED' must be followed by vendor. Comments marked as 'REVISION' must be followed by vendor. Comments marked as 'REVISION' must be followed by vendor.  
 RELATED DOCUMENTS/Drawings were checked and it is not copy with purchase order requirements of the vendor.  
 ACCEPTABLE WITH COMMENTS: Documents/Drawings were checked by purchaser and comments must be followed by vendor. Comments marked as 'CHECKED' must be followed by vendor. Comments marked as 'REVISION' must be followed by vendor.  
 NOT RETURNED: Document was needed for fabrication and not returned to the vendor.

DE	Eng. Phase	Purpose of Issue (POI)	Purchaser's Action
01	ISSUED	AC	FO
02	ISSUED	AC	FO
03	ISSUED	AC	FO
04	ISSUED	AC	FO
05	ISSUED	AC	FO
06	ISSUED	AC	FO
07	ISSUED	AC	FO
08	ISSUED	AC	FO
09	ISSUED	AC	FO
10	ISSUED	AC	FO
11	ISSUED	AC	FO
12	ISSUED	AC	FO
13	ISSUED	AC	FO
14	ISSUED	AC	FO
15	ISSUED	AC	FO
16	ISSUED	AC	FO
17	ISSUED	AC	FO
18	ISSUED	AC	FO
19	ISSUED	AC	FO
20	ISSUED	AC	FO

PREPARED BY: [Signature]  
 CHECKED BY: [Signature]  
 APPROVED BY: [Signature]

PROJECT: HENGAM FERTILIZER PROJECT  
 VENDOR: AEROMECCANICA STRANCI SPA  
 TITLE: LUBE OIL SYSTEM  
 P&ID for atomization air fan 18-C-157  
 SCALE: 1/100  
 SHEET NO.: 1000  
 SHEET OF: 1000

FORMED/SIZE: A1  
 FOLIO/SHEET: 1 of 1  
 Client/Customer: AEROMECCANICA STRANCI  
 Ord. No.: 1459  
 Dwg. N°/Dwg. No.: C180033DWG001  
 Rev.: 01

EL MOTOR MAIN & AUX OIL PUMP	
18-PM-180 A/B	MARELLI
manufacturer	4 kW
power	400V/3ph/50Hz
voltage	955
execution	18-H-157
oil heater	FATI
manufacturer	2 kW
power	400V/3ph/50Hz
voltage	457°C
inlet temperature	1" 150# RF
inlet size	1" 150# RF
inlet size	1" 150# RF
inlet size	1" 150# RF

MAIN & AUX. OIL PUMP	
18-F-180 A/B	SIEMENS
manufacturer	4 kW
power	76.4 l/min
capacity	9 barg
pressure max.	1" 150# RF
inlet size	1" 150# RF
inlet size	1" 150# RF
inlet size	1" 150# RF
inlet size	1" 150# RF

PCV	
18-PCV-5370	CARRARO
manufacturer	GLUBE (REDUCER)
type	SS304
body material	2 barg
set	1" 150#
inlet size	1" 150#
inlet size	1" 150#
inlet size	1" 150#
inlet size	1" 150#

PSV WATER	
18-PSV-15768	1" 150#
inlet	1" 150#
inlet	1" 150#
inlet	1" 150#
inlet	1" 150#

OIL COOLER	
18-E-157	SS304
manufacturer	12/7.5 barg
design pressure	0/99°C
design temperature	8/11 l
shelldside volume	36.4 l
tubedside volume	45°C
inlet oil temperature	SS304
material tubes	1" 150#
inlet oil temperature	1" 150#
inlet oil temperature	1" 150#
inlet oil temperature	1" 150#

DUPEX FILTER	
18-F-192 A/B	SS304
manufacturer	10µm
filtration	0/2 barg
design pressure	SS304
material	568
design capacity	SS304
material	SS304
material	SS304
material	SS304

OIL TANK	
18-TK-170	SS304
manufacturer	0/99°C
design pressure	568
design capacity	SS304
material	SS304
material	SS304
material	SS304
material	SS304

