



MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

TATA STEEL LTD

Jamshedpur, Jharkhand-831001

Work Order No- 4700142234, Date-09.07.2025

Dept. CP 10-11

Contact Person- Mr. Shashikant Singh

Contact no- 6206805225

Mail- shashi1.singh@tatasteel.com

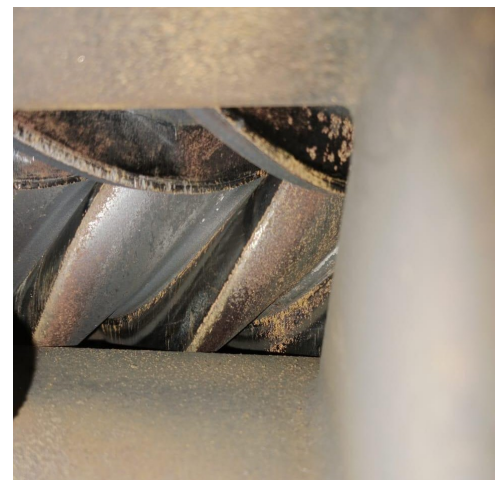
Details of job done

Reconditioning of LP & HP screw element model-ZR250

Problem found at the time of inspection-

1. Interstage pressure too high at 3.5kg/cm²
2. LP side temperature above 235°C and tripping of high temperature issue.
3. High current drawn by main motor
4. High vibration

Photographs of before the job





MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

Photographs during the reconditioning



Replaced old gear to new gear



Shot Blasting of the rotors



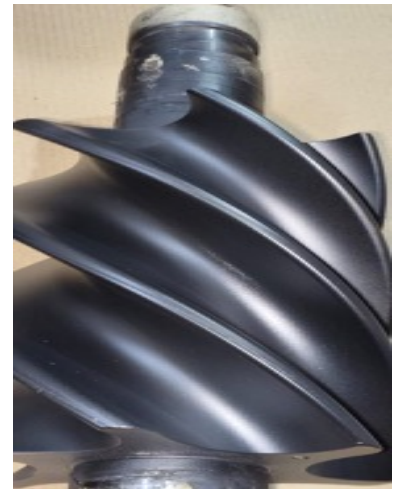
Rotor in paint booth



Rotor after the coating



Male Rotor



Female rotor



New bearings and seal installed



Housing after the coating



After the complete refurbishment



MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

Date- 02.09.2025

(P-1)

TATA STEEL LIMITED
Jamshedpur, Jharkhand-831001

ALP# 1 HP

REFURBISHMENT JOB DETAILS OF MODEL:-ZR250 HP, ATLAS COPCO MAKE SCREW COMPRESSOR

Work Order No- 4700142234/102, Date-09.07.2025

MALE SHAFT

<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
1	Before assembly Checked all the parts thoroughly cleaned and dry.	
	MALE SHAFT: - Found worn out, undercut 15mm in diameter in lathe machine. After that the undercut area we filled up hot metal by means of hot metal spray. Machine done by precision grinding machine in grinding area and surface finish maintained within 0.001mm.	Run out maintain within 2-3 microns
	FEMALE SHAFT:- Found worn out, undercut 10mm in diameter in lathe machine. After that the undercut area we filled up hot metal by means of hot metal spray. Machine done by precision grinding machine in grinding area and surface finish maintained within 0.001mm.	Run out maintain within 2-3 microns
	STRAIGHTNESS CHECKED:-Both the Shaft checked straightened in grinding centre of any bent maintained within 0.002mm off set.	Run out maintain within 5 microns.
	BALANCING :- Done for male and female rotors	Mass reduction 5gm

✓
Sh
198399

✓
Sh
198399

✓
Sh
198399

✓
Sh
198399

Holding No-9, Road No-4, Ramnagar, Kadma, Jamshedpur -831005, Jharkhand
GSTIN No- 20ANIPB2117L1ZK, Mobile- 9934361301, mail- maeckjsr@gmail.com,
Web-www.bouricompessors.com





MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

(P-2)

REAR HOUSING

<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
<u>2</u>	REAR HOUSING:-The worn-out rear housing bore under cut in vertical boring machine of 10mm in diameter. Preheating the job and then hot metal sprayed. After that the jobs has been covered up by asbestos cloth and then cool down slowly.	Ovality maintained in 5 microns ✓
	Then machined in precession boring machine tolerance within 0.002mm	Ovality maintained in 4 microns ✓
	After the machining job cleaning the surface by cotton cloth.	
<u>3</u>	FRONT HOUSING: - Front housing also found worn-out 10mm in diameter. Metal filling done and then machining. The process of metal filling and machining are same like rear housing procedure. Surface finish and ovality maintained within 0.002mm.	Ovality maintained in 2 microns ✓

REFURBISHMENT PROCEDURES

FRONT HOUSING

<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
<u>4</u>	MAIN BORE: - Observed ovality of 0.10mm undercut of 1mm in entire bore diameter and then hot metal sprayed. Before hot metal sprayed the job was preheat at 90 to 100 degree centigrade. Cool down slowly by means of natural cooling. Machining tolerance maintained within 0.001mm	Ovality maintained in 5 microns ✓
	GEAR SHAFT: - Shaft of driving gear checked in lathe centre observed ovality within 0.001mm no worn out, no other abnormality observed.	Run out maintain within 2-3 microns ✓
	HOUSING: - Bore diameter was ok we only cleaned housing before assembly.	Ovality found in 5 microns ✓

Holding No-9, Road No-4, Ramnagar, Kadma, Jamshedpur -831005, Jharkhand
 GSTIN No- 20ANIPB2117L1ZK, Mobile- 9934361301, mail- maeckjsr@gmail.com, 831011
 Web-www.bouricompessors.com





MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

ASSEMBLING

(P-3)

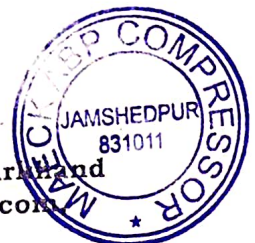
<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
<u>5</u>	ASSEMBLING:- The new bearings 7216 BEP & NU320 ECP placed in front housing. The other BVN series 7320 BE.COP bearing placed in DE side in male and female rotor. The NJ2220-E-XL-M bearing also placed male and female rotor rear housing. Then inner pressed in male & female rotor both DE and NDE side in both rotors. After that housing placed. Bolted all three housing with hand tight & finally with torque wrench of torque 35N-M. Before tighten the bolt all thread are properly cleaned and checked.	on expected life 2 year. <i>[Signature]</i> 198399
	Gear box housing then box up.	

REPORT CONSUMABLE MATERIAL DETAILS

<u>SL.NO</u>	<u>DESCRIPTION</u>	
<u>6</u>	BEARING- BVN 7717 ECP6-4NOS	MAKE-SKF-IMPORTED
	BEARING- NU2208 ECP6-1NO.	MAKE-SKF- IMPORTED
	BVN- 7107- 2 NOS.	MAKE-SKF- IMPORTED
	BVN7107-1NO	MAKE-SKF- IMPORTED
	NU2308 ECMLC3-1NOS.	MAKE-SKF- IMPORTED
	SPACER - 2 NOS.	INDIGINIOUS
	BUSHING - 2 NOS.	INDIGINIOUS
	SHIM- 0.1MM - 4 NOS.	INDIGINIOUS
	SPRING WAHSER - 4 NOS.	INDIGINIOUS
	-O-RING - 2 NOS.	INDIGINIOUS
	SHAFT SEAL - 115X 100X12 -4 NOS	IMPORTED

Holding No-9, Road No-4, Ramnagar, Kadma, Jamshedpur -831005, Jharkhand
 GSTIN No- 20ANIPB2117L1ZK, Mobile- 9934361301, mail- maeckjsr@gmail.com

Web-www.bouriccompressors.com





MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

(P-4)

COMPRESSOR RUNNING PARAMETERS:		
1.	Compressor outlet pressure	6.4 bar
2.	Compressor outlet temperature	32-40°C
3.	DP Air Filter	-0.028 bar
4.	Oil Pressure	5.0 bar
5.	Inter cooler pressure	2.15 bar
6.	Element 1 outlet temperature	201 Deg C.
7.	Element 2 outlet temperature	195 Deg C.
8.	Element 2 Inlet temperature	39Deg C
9.	Oil temperature	65 Deg. C
10.	Cooling water in	36°C
11.	LP Cooling water outlet temperature	59 Deg C
12.	Cooling water outlet temperature	40 Deg C
13.	DT LP Cooling water	12°C
14.	Running hours	59478 h

Drive Motor Data

Motor winding 1 U1	129°C
Motor winding 1 V1	125°C
Motor winding 1 W1	125°C
Motor bearing D-end	92°C
Motor bearing ND-end	80°C
Motor loading amps	480 amps

Report Completed

[Signature]
198399



MAECK ABP COMPRESSOR
Quality engineer signature

[Signature]
08/09/2025

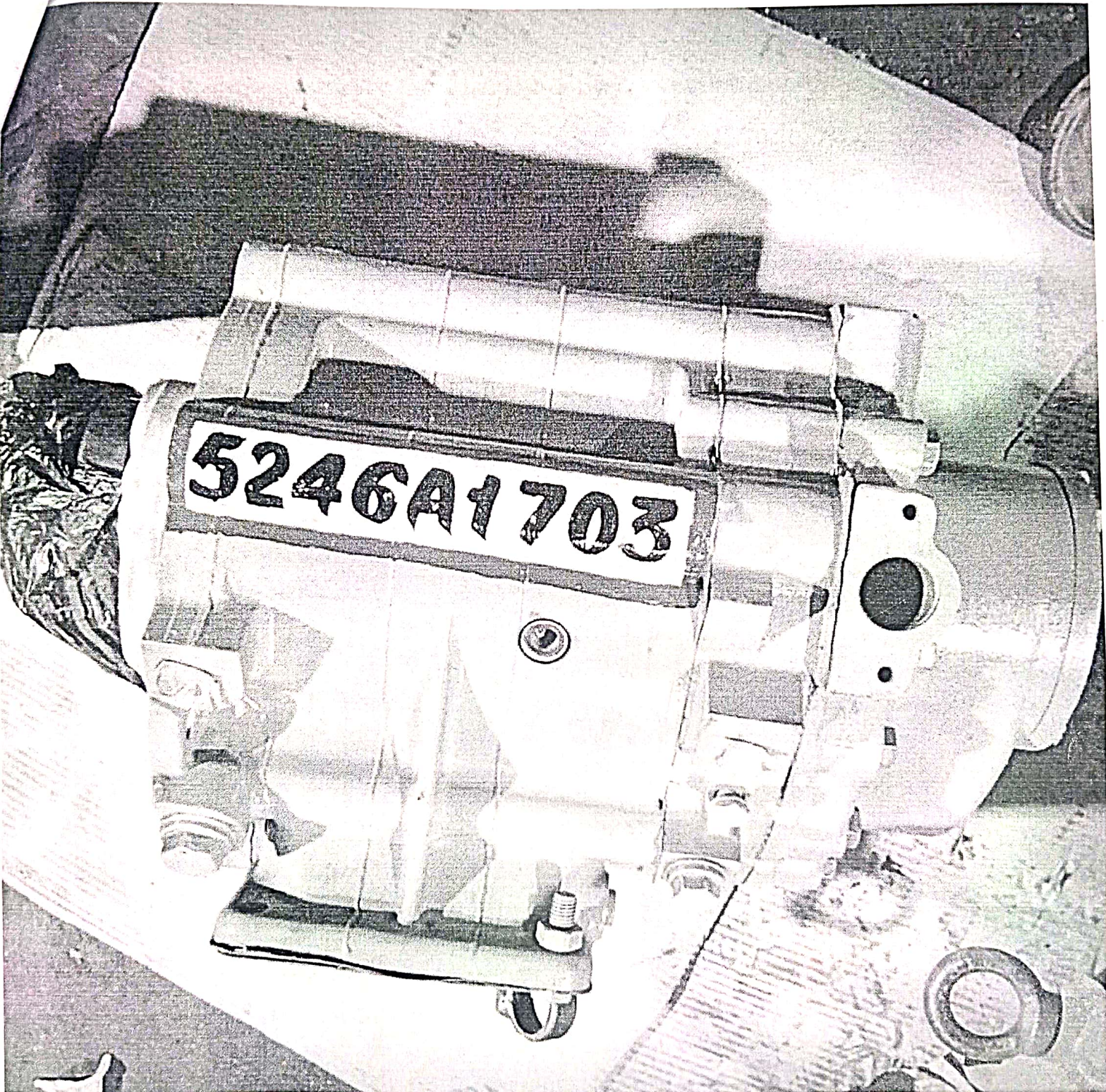
MAECK ABP COMPRESSOR
Work manager signature

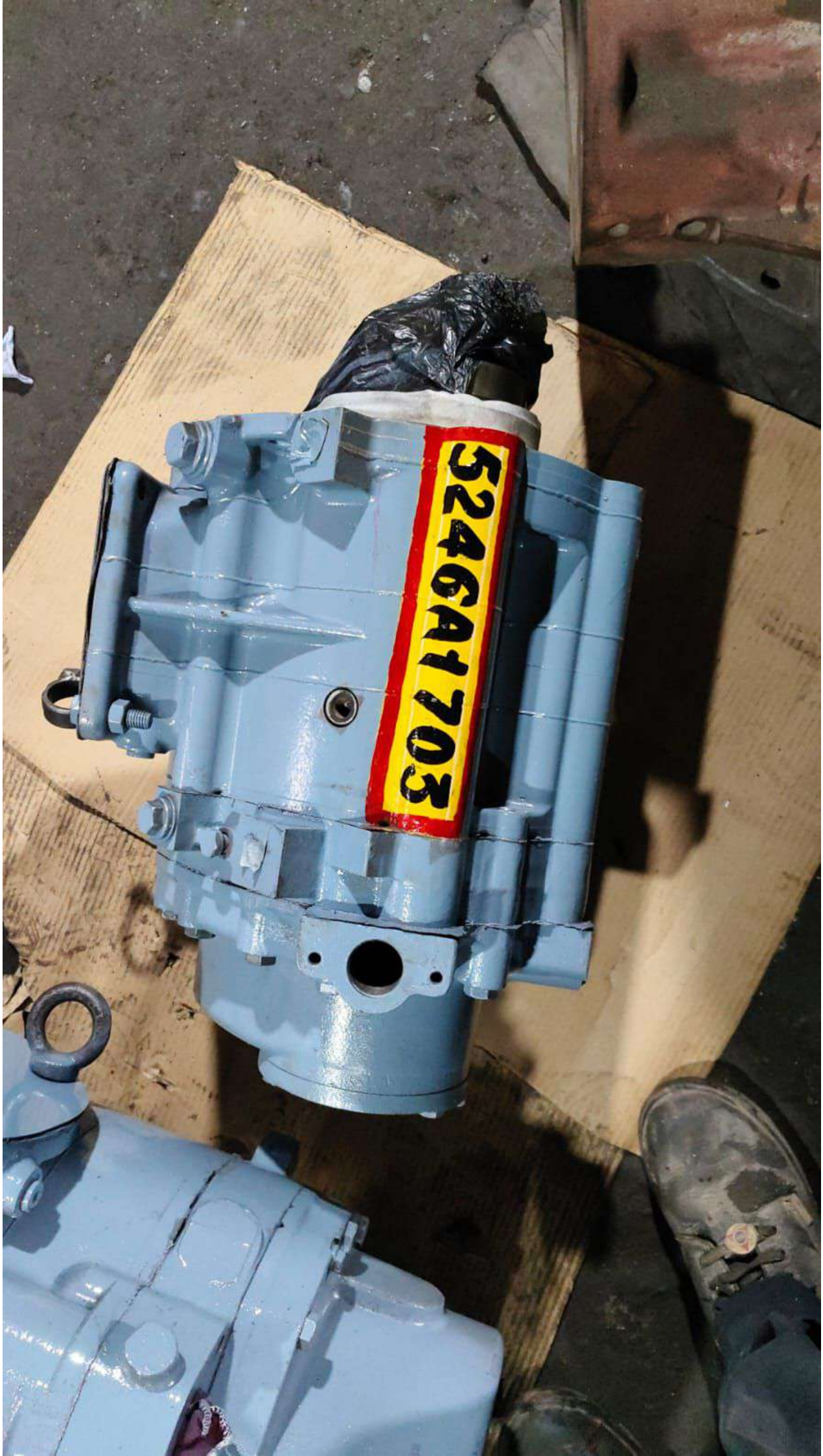
[Signature]
8/9/2025



TATA STEEL LIMITED
Employee signature

5246A1703





5246A1703



MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

Date- 02.09.2025

(P-1)

TATA STEEL LIMITED
Jamshedpur, Jharkhand-831001

ACP#1-LP

REFURBISHMENT JOB DETAILS OF MODEL:-ZR250 LP, ATLAS COPCO MAKE SCREW COMPRESSOR

Work Order No- 4700142234/102, Date-09.07.2025

MALE SHAFT

<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
	Before assembly Checked all the parts thoroughly cleaned and dry.	
1	MALE SHAFT: - Found worn out, undercut 20mm in diameter in lathe machine. After that the undercut area we filled up hot metal by means of hot metal spray. Machine done by precision grinding machine in grinding area and surface finish maintained within 0.001mm.	Run out maintain within 2-3 microns ✓
	FEMALE SHAFT:- Found worn out, undercut 15mm in diameter in lathe machine. After that the undercut area we filled up hot metal by means of hot metal spray. Machining done by precision grinding machining in grinding area and surface finish maintained within 0.001mm.	Run out maintain within 2-3 microns ✓
	STRAIGHTNESS CHECKED:-Both the Shaft checked straightened in grinding centre of any bent maintained within 0.002mm off set.	Run out maintain within 5 microns. ✓
	BALANCING :- Done for male and female rotors	Mass reduction 5gm

AM
198399



Holding No-9, Road No-4, Ramnagar, Kadma, Jamshedpur -831005, Jharkhand
GSTIN No- 20ANIPB2117L1ZK, Mobile- 9934361301, mail- maeckjsr@gmail.com,
Web-www.bouriccompressors.com



MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

(P-2)

REAR HOUSING

<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
2	REAR HOUSING:-The worn-out rear housing bore under cut in vertical boring machine of 5mm in diameter. Preheating the job and then hot metal sprayed. After that the jobs has been covered up by asbestos cloth and then cool down slowly.	Ovality maintained in 5 microns ✓
	Then machined in precession boring machine tolerance within 0.002mm	Ovality maintained in 4 microns ✓
	After the machining job cleaning the surface by cotton cloth.	
3	FRONT HOUSING: - Front housing also found worn-out 5mm in diameter. Metal filling done and then machining. The process of metal filling and machining are same like rear housing procedure. Surface finish and ovality maintained within 0.002mm.	Ovality maintained in 2 microns ✓

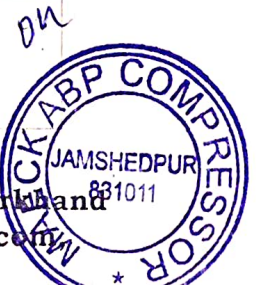
Sh
198399

REFURBISHMENT PROCEDURES FRONT HOUSING

<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
4	MAIN BORE: - Observed ovality of 0.10mm undercut of 5mm in entire bore diameter and then hot metal sprayed. Before hot metal sprayed the job was preheat at 90 to 100 degree centigrade. Cool down slowly by means of natural cooling. Machining tolerance maintained within 0.001mm	Ovality maintained in 5 microns
	GEAR SHAFT: - Shaft of driving gear checked in lathe centre observed ovality within 0.001mm no worn out, no other abnormality observed.	Run out maintain within 2-3 microns
	HOUSING: - Bore diameter was ok we only cleaned housing before assembly.	Ovality found in 5 microns

OK
Sh
198399

OK
Sh
198399





MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND

ASSEMBLING

(P-3)

<u>SL.NO</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
<u>5</u>	ASSEMBLING:- The new bearings BA10028 & NU312 ECML placed in front housing. The other BVN series 7315 BE.COP bearing placed in DE side in male and female rotor. The NJ2212-E-XL-M bearing also placed male and female rotor rear housing. Then inner pressed in male & female rotor both DE and NDE side in both rotors. After that housing placed. Bolted all three housing with hand tight & finally with torque wrench of torque 35N-M. Before tighten the bolt all thread are properly cleaned and checked.	<i>OK, expected life 2 years</i> <i>[Signature]</i> <i>19/3/19</i>
	Gear box housing then box up.	

REPORT CONSUMABLE MATERIAL DETAILS

<u>SL.NO</u>	<u>DESCRIPTION</u>	
<u>6</u>	NU-312 ECML- 2 NO	MAKE-SKF-IMPORTED
	7212 BVN-2 NO	MAKE-SKF- IMPORTED
	BA10028 - 4 NOS	MAKE-SKF- IMPORTED
	NJ2212-E-XL-M33- 2NO	MAKE-SKF- IMPORTED
	NJ312 ECP - 2 NO	MAKE-SKF- IMPORTED
	NU 2312 ECP-1NO	MAKE-SKF- IMPORTED
	QJ 212 N2MA- 2NO	MAKE-SKF- IMPORTED
	NU 218 ECM-1NO	MAKE-SKF- IMPORTED
	7314 BEP -2 NOS	MAKE-SKF- IMPORTED
	SPACER - 2 NOS	INDIGINIOUS
	BUSHING- 2 NOS	INDIGINIOUS
	SHIM-0.1MM - 4 NOS	INDIGINIOUS
	SPRING WASHER- 4 NOS	INDIGINIOUS
	O-RING - 2 NOS	INDIGINIOUS
SHAFT SEAL 115X100X12- 4 NOS	IMPORTED	



Holding No-9, Road No-4, Ramnagar, Kadma, Jamshedpur -831005, Jharkhand
 GSTIN No- 20ANIPB2117L1ZK, Mobile- 9934361301, mail- maeckjsr@gmail.com,
 Web-www.bouricompessors.com



MAECK ABP COMPRESSOR

- MANUFACTURER OIL INJECTED SCREW COMPRESSOR FROM 2.2KW TO 250KW
- RECONDITIONING OF OIL INJECTED AND OIL FREE SCREW ELEMENT (AIREND) OF ALL REPUTED BRAND (P-4)

COMPRESSOR RUNNING PARAMETERS:		
1.	Compressor outlet pressure	6.4 bar
2.	Compressor outlet temperature	32-40°C
3.	DP Air Filter	-0.028 bar
4.	Oil Pressure	5.0 bar
5.	Inter cooler pressure	2.15 bar
6.	Element 1 outlet temperature	201 Deg C.
7.	Element 2 outlet temperature	195 Deg C.
8.	Element 2 Inlet temperature	39 Deg C
9.	Oil temperature	65 Deg. C
10.	Cooling water in	36°C
11.	LP Cooling water outlet temperature	59 Deg C
12.	Cooling water outlet temperature	40 Deg C
13.	DT LP Cooling water	12°C
14.	Running hours	59478 h

Drive Motor Data

Motor winding 1 U1	129°C
Motor winding 1 V1	125°C
Motor winding 1 W1	125°C
Motor bearing D-end	92°C
Motor bearing ND-end	80°C
Motor loading amps	480 amps

Report Completed

(Handwritten Signature)
 (198399)
 Sr. Manager
 (Mechanical Maint.)

MAECK ABP COMPRESSOR
 Quality engineer signature

(Handwritten Signature)
 08/09/2025



MAECK ABP COMPRESSOR
 Work manager signature

(Handwritten Signature)
 08/09/2025

TATA STEEL LIMITED
 Employee signature

Holding No-9, Road No-4, Ramnagar, Kadma, Jamshedpur -831005, Jharkhand
 GSTIN No- 20ANIPB2117L1ZK, Mobile- 9934361301, mail- maeckjsr@gmail.com,
 Web-www.bouriccompressors.com

5246A1702

5246A1702

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site: www.maeckabpcompressor.in
Mobile: +91 9934361301, 7764995069 & 9002010225.

Commissioning Report

Customer Name & Address: M/S -TATA STEEL LTD Sakchi, Jamshedpur, Jharkhand, Site -COCOVEN	M/c details: COMP NO:ACP#1 ZR250 VSD-7.5BAR. PO-4700142234/102 Date-09.07.2025
Contact person name:-Mr. Shashi Kant Singh Mr. Hira Mardi	Visit date: 17.08.25-21.08.25

Nature of Service:-Commissioning of Recon **ZR 250 VSD LP & HP** screw element Model of **ZR250 VSD OIL FREE Atlas Copco** make.

Mr. Rohit Bauri has visited for commissioning of recon screw element on from Maeck ABP Compressor against PO-4700142234/102

Activities carried out:-

1. LP & HP old screw elements are removed from gear box.
2. LP & HP old screw elements are removed oil gear after refitting gear in new refurbishment screw elements.
3. Screw element fitting into the system.
2. Fitting all pipe & electrical sensor.
3. Fitting air filter & hose assembly.
5. Replaced kit valve.
6. Fitting all water pipe & oil line.
7. Inter & after cooler were cleaning done.
8. Water line inlet & out let Backwash done.

Replaced part:-

1. Oil top up-~~70~~ 90 liters.
2. Oil filter -1nos.



Works: 116, Bhatia, Near RIT More, Adityapur, Jamshedpur-831013, Jharkhand.

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site: www.maeckabpcompressor.in
Mobile: +91 9934361301, 7764995069 & 9002010225.

After that compressor will run, following parameters noted:

Comp Outlet Press	6.4bar.
Comp Outlet temp	32-40°C
DP Air Filter	-0.028bar.
Oil Press	5.0 bar.
Inter cooler press	2.15bar
Element 1 Outlet temp	201°C
Element 2 Outlet temp	195°C
Element 2 Inlet temp	39°C
Oil temp	65°C
Cooling water in	36°C
LP cooling water out	59°C
Cooling water out	40°C
DT LP cooling water	12°C
Running hours	59478 h

Drive Motor data:

Motor winding 1 U1	129 °C
Motor winding 1 V1	125 °C
Motor winding 1 W1	125 °C
Motor bearing D-end	92 °C
Motor bearing ND-end	80 °C
Motor loading amps	480AMPS

Service Engineer: - Compressor all parameters are running satisfactory during load & unload condition.

Advice customer to be check following daily basis:-

1. Oil level each shift .It should be in green zone.
2. Air filters DP, & oil pressure.
3. Element LP/HP outlet temp.
4. Any leakage: oil & air.
5. Any abnormal sound.
6. Water in & out temp.
7. Oil temp



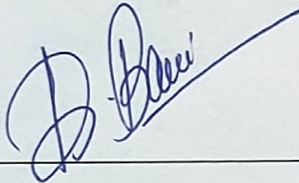
Works: 116, Bhatia, Near RIT More, Adityapur, Jamshedpur-831013, Jharkhand.

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site: www.maeckabpcompressor.in
Mobile: +91 9934361301, 7764995069 & 9002010225.

Service Engineer Signature with Remarks

1. Compressor running under observation we advice to M/S-TATA STEEL LTD team to monitor the compressor in per shift basis to check oil level, element outlet temp & sound.
2. We were running observation almost 3-4 days during checking all parameters were founding normal in service.
3. Kindly compressor run continue in service.



Signature
MAECK ABP COMPRESSOR



Heera Maref
504640
11/9/2025

Signature with remarks
TATA STEEL LTD

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site:www.maeckabpcompressor.in
Mobile: +91 9934361301,7764995069&9002010225.

Service Report

Customer name & address: M/S -Tata steel ,sakchi,Jamshedpur ,Jharkhand , Site -cocoven	M/c details: COMP NO:-02 ZR200-7.5BAR. 8.6 bar
Contact person name:-Mr.Shashi kant singh Mr.Hira madam	Visit date: 21.04.25-25.04.25

Nature of service:-commissioning of Recon ZR 200 HP screw element Model of ZR200 OIL FREE Atlas Copco make.

Mr.Rohit bauri has visited for commissioning of recon screw element on from Maeck abp compressor against PO-

Activities carried out:-

- 1.HP screw element fitting into the system.
- 2.Fitting all pipe & electrical sensor.
- 3.Fitting air filter & hose assembly .
- 5.Replaced kit valve valve .
- 6.Fitting all water pipe & oil line.
- 7.Inter & After cooler were cleaning done.
- 8.Weter line inlet & out let Backwash done.
- 9.

Replaced part:-

- 1.Oil top up-35liters .
- 2.Oil filter -1nos.

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site:www.maeckabpcompressor.in
Mobile: +91 9934361301,7764995069&9002010225.

After that compressor run. Following parameters noted:

Comp Outlet Press	6.5bar.
Comp Outlet temp	32-40 degree Celsius
DP Air Filter	-0.023bar.
Oil Press	1.43 bar.
Inter cooler press	2.3bar
Element 1 Outlet temp	190 degree Celsius
Element 2 Outlet temp	180 degree Celsius
Element 2 Inlet temp	33degree Celsius
Oil temp	50 degree Celsius
Cooling water in	30 degree Celsius
LP cooling water out	44 degree Celsius
Cooling water out	40 degree Celsius
Loading hours	64267 h
Running hours	78301 h

CURRENT:-

LOADING	Amps-21
UNLOADING	Amps-9

Service engineer :-Compressor all parameters are running satisfactory during load & unload condition .

Advise customer to be check following daily basis:-

- 1.Oil level each shift .It should be in green zone.
- 2.Air filter dp, & oil pressure .
- 3.Element LP/HP outlet temp.
- 4.Any leakage : oil & air.
- 5.Any abnormal sound.
- 6.water in & out temp.
- 7.Oil temp

Works: 116, Bhatia, Near RIT More, Adityapur, Jamshedpur-831013, Jharkhand.

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site:www.maeckabpcompressor.in
Mobile: +91 9934361301,7764995069&9002010225.

R. Baine
29/04/25

Service engineer signature with remarks

- 1.Compressor running under observation we advise to M/S-TATA STEEL team to monitor the compressor in per shift basis to check oil level, element outlet temp & sound.
- 2.Kindly replaced after cooler
- 3Kindly compressor run continue in service .
- 4Kindly replaced oil pump kit because oil pressure not healthy .

Customer signature with remarks

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site: www.maeckabpcompressor.in
Mobile: +91 9934361301, 7764995069&9002010225.

Commissioning Report

Customer Name & Address: M/S -TATA STEEL LTD Sakchi, Jamshedpur ,Jharkhand ,Site -COKEOVEN	M/c details: COMP NO:ACP#3 ZR200-7.5BAR.
Contact person name:-Mr. Shashi Kant Singh Mrs. Heera Mardi	Visit date:- 08.09.25-11.09.25

Nature of service:-commissioning of Recon ZR 200 HP screw element Model of ZR200-7.5bar OIL FREE Atlas Copco make.

Mr. Rohit Bauri has visited for commissioning of recon screw element on from Maeck ABP compressor against **PO-4700142234**

Activities carried out:-

1. LP & HP screw elements & oil pump removed from the gear box.
2. LP & HP screw element fitting done into the gear box.
3. Oil pump fitting done.
2. Fitting all pipe & electrical sensor.
3. Fitting air filter & hose assembly.
5. Replaced kit valve.
6. Fitting all water pipe & oil line.
7. Inter & after cooler were cleaning done.
8. Weter line inlet & out let Backwash done.

Works: 116, Bhatia, Near RIT More, Adityapur, Jamshedpur-831013, Jharkhand.

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011
Email:maeckjsr@gmail.com, Web site: www.maeckabpcompressor.in
Mobile: +91 9934361301, 7764995069&9002010225.

Replaced part:-

1. Oil top up-60 liters.

After that compressor run following parameters noted:

Comp Outlet Press	6.8bar.
Comp Outlet temp	32-40 degree Celsius
DP Air Filter	-0.012bar.
Oil Press	2.37 bar.
Inter cooler press	2.3bar
Element 1 Outlet temp	198 degree Celsius
Element 2 Outlet temp	196 degree Celsius
Element 2 Inlet temp	38degree Celsius
Oil temp	49 degree Celsius
Cooling water in	34 degree Celsius
LP cooling water out	51 degree Celsius
Cooling water out	41 degree Celsius
DT LP Cooling water	17 degree Celsius
Loading hours	68608h
Running hours	74989h

Vibration:-

Motor de v vibration	4 micron
Motor de h vibration	0 micron
Lp de v vibration	0 micron
Hp de vibration	0 micron

Note:-No oil vapor from breather side. (Vapor is coming from breather side because oil line is loss condition and after tight this pipe solves this problem).

MAECK ABP COMPRESSOR

H.No-9, Road No-4, Ramnagar, Kadma, Jamshedpur-831011

Email:maeckjsr@gmail.com, Web site: www.maeckabpcompressor.in

Mobile: +91 9934361301, 7764995069&9002010225.

Service engineer:-Compressor all parameters are running satisfactory during load & unload condition.

Advice customer to be check following daily basis:-

1. Oil level each shift .It should be in green zone.
2. Air filter DP, & oil pressure.
3. Element LP/HP outlet temp.
4. Any leakage: oil & air.
5. Any abnormal sound.
6. Water in & out temp.
7. Oil temp

Service engineer signature with remarks

1. Compressor running under observation we advise to M/S- TATA STEEL team to monitor the compressor in per shift basis to check oil level, element outlet temp & sound.
2. We were running observation almost 3-4 days during checking all parameters were founding normal in service.
3. Kindly compressor run continue in service.

R. Bauri
16/09/25

Service Engineer Signature



Heera Mard
504640
16/9/2025

Customer signature with remarks

Works: 116, Bhatia, Near RIT More, Adityapur, Jamshedpur-831013, Jharkhand.