REQUEST FOR EXPRESSION OF INTEREST FOR PROVISION OF MAINTENANCE ACCESSORIES
REFERENCE NO.: CPP-PROC-TZ-064-0926-C1C4

China Petroleum Pipeline Engineering Co., Ltd. (hereinafter abbreviated as CPP) as Pipeline, Feederline & Above Ground Installation Contractor for the East African Crude Oil Pipeline (EACOP) Project invites experienced and reputable Contractors to express their interest in providing **Maintenance Accessories** to the EACOP Project.

The EACOP Project involves the construction and operation of an underground and cross-border pipeline to transport crude oil for export to international markets. The pipeline will run from Kabaale, Hoima District in Uganda to the Chongoleani peninsula near Tanga in Tanzania. The length of the pipeline is 1,443 km, of which 1,147 km will be in Tanzania.

BRIEF DESCRIPTION OF THE SCOPE OF THE SERVICES:

- Maintenance Accessories of professional pipeline construction equipment including Cutting head copper slide block bolt, expansion claw adjustable pad, Pressure gauge (right angle of dial interface), Thermal welding nozzle, Quick male connector of handle wire, Double side support heavy wheel assembly, Crankshaft front oil seal, and so on. Please find attached (Appendix 3) for more details

MINIMUM REQUIREMENTS:

Companies or organizations expressing their interest are invited to document their request with:

- Proof of registration with the Tanzania Revenue Authority (TRA).
- Proof of registration/application to the EWURA Local Supplier Service Provider (LSSP) database at the time of submission of the response to this expression of interest is strongly recommended.
- Compliance with Petroleum (Local Content) Regulations, 2017, and Local Company definition for Tanzania.
- Fully filled Key personnel list with CV (Appendix1) in the requested format. (Blank is regarded as an unqualified item.)
- Similar project experience within the last three years (Appendix 2) in the requested format.
- Copy of certificates of ISO 9001, ISO 45001, ISO 14001, or equivalent of them.
- Deliver the goods in 4 weeks after signing the contract.
- Tax Clearance Certificate for the latest year available.

Companies which have the ability, capacity, and resources to implement the activities listed above should express their interest by sending together with the documents stated in the above section through an email to **supplierdata1@cpptz.com (Max. Email Size: 20 MBs, all documents** must be submitted in the **English language**) on or before **24:00 hours East African Time (EAT),** on **11th October 2023. The subject of the email should be *"EOI for CPP-PROC-TZ-064-0926-C1C4-COMPANY NAME"*. CPP reserves the right not to consider companies that submit an incorrect email subject and the incorrect format of Appendix 1, 2, and 3.**

The **format** of the required documents and **relevant technical requirements** which are mentioned in Minimum Requirements should be **downloaded from EACOP's website (https://eacop.com/opportunities-by-main-construction-contractors/china-petroleum-pipeline-engineering-co-ltd/).**

Note: CPP will review and assess the documents provided by companies that have expressed interest in accordance with this EOI and conduct evaluations based on internal criteria to determine which companies will be included in the list of pre-qualified companies. Only the pre-qualified companies will receive, by signing a Non-Disclosure Agreement (NDA), an invitation to bid as a continuation of the call for tender process. CPP reserves the right at its sole discretion to make the decision to select or reject a company and maintain its decision.

APPENDIX 1 List of the Key Personnel

No.	Title	Name	Years of Experience	Qualification Certificates		Location	Notes
				Name of the Certificate	Certificate No.		

Notes: pls attach the CV & scanned copies of certificates etc.

APPENDIX 2 List of similar supplying experience

Client	Contact Information of Client (Email/Phone number)	Location	Years	Name of the Project	Scope of Work	Status of the Project (Completed / Ongoing)	Bidder's Contract Value	Notes

Notes:

1.Please attach following documents: scanned CONTRACT for completed project or LETTER of AWARD for ongoing projects, completion certificate (if any), appreciation letters (if any) etc.
2.The information of the PROJECT mentioned above may be confirmed by CPP with the assistance of EACOP COMPANY.

APPENDIX 3 Basic Description and Requirment of Materials

S/N	Description	Specification	Basic Technique Requirement	Picture of Sample
1	Handheld box control line	FM010122-10		
2	Pan fried Slices	FM010123		
3	Welding tRollsey control cable	FM010124		
4	coupling	FM010129		
5	Adjusting handle of wire feeder	FM010130		
6	Straightening cover plate (without glass)	FM010132		
7	tool holder limit stop screw	FM010133		
8	Angle sensor	FM010213		
9	Brake solenoid valve	FM010101		
10	Brake solenoid valve	FM010101		
11	Welding voltmeter	FM010103-2.4		
12	Gun box and gun head	FM010105		
13	Brake switch	FM010109-1.2		
14	Gun box gas cable	FM010111-1640		
15	Gun box electric nozzle lock	FM010112-1650		
16	High pressure protective gas check valve	FM010113		
17	Wire feeder assembly (left car)	FM010116-0.5		
18	Wire feeding motor drive gear	FM010117-1		
19	Gas cable	FM010118-2		
20	Gas pipe quick connector	FM010119-5		
21	Traveling motor	FM010120-10		
22	Wire feeding motor	FM010121-15		
23	eccentric wheel axle fastening bolt	M16×40		
24	Hydraulic motor repair kit	75		
25	The gasket	1 1/4		
26	The gasket	1 1/2		
27	The gasket	1月4日		
28	seal	37×3.5		
29	seal	43×3.5		
30	seal	63×3.5		
31	seal	12×1.9		
32	seal	12×1.9		
33	seal	15×1.9		

34	seal	22×1.9		
35	o rings	101.27×2.65		
36	guide wheel	FM010156-170		
37	guide wheel axle	FM010157		
38	The coarse filter	FM010168		
39	filter element	240		
40	expansion claw adjustable pad	FM010161-3		
41	expansion claw adjustable pad	FM010161-6		
42	expansion claw adjustable pad	FM010161-8		
43	expansion claw screw	M12×35		
44	expansion claw pad	Φ30 mm		
45	expansion claw	75mm*50mm*40mm		
46	Industrial quick plug (public)	STUCCHI-M-BIR14 BSP-H17 INTALY		
47	Industrial quick plug (female)	STUCCHI-F-BIR14 BSP-J18 INTALY		
48	Industrial quick plug (public)	1.25		
49	Industrial quick plug (female)	1.25		
50	Industrial quick plug (public)	1.5		
51	Industrial quick plug (female)	1.5		
52	Battery Charger	12V24V/6-200AH		
53	seal	Φ35		
54	seal	Φ38		
55	seal	Φ40		
56	seal	Φ43		
57	seal	Φ43		
58	seal	Φ44		
59	seal	Φ45		
60	seal	Φ50		
61	seal	Φ63		
62	seal	Φ418		
63	The gasket	M16		
64	The gasket	M33		
65	The gasket	G1/4		
66	The gasket	G3/8		
67	The gasket	G1/2		
68	Adjust the pad	GR75		
69	digital pressure gauge(with sensor)	KC05X1J40MPaG1/4-24V		

70	glass tube fuse	5×20 5A		
71	glass tube fuse	5×20 20A		
72	Electromagnetic power main switch	DK238B-DJW1		
73	Electromagnetic starter assembly	WP-QDJ13066658 24V DJ1904		
74	fan belt			
75	Walking oil pump			
76	Generators			
77	Multiway valve assembly	FM010141		
78	Multiway valve base			
79	Individual valve	RVP6-1-10		
80	Plate throttle globe valve	DRVP6-1-10/		
81	Individual valve	S30P11B		
82	Pressure gauge	25MPa YN-100ZT（		
83	Pressure gauge	25MPa YN-60ZT（		
84	Multiway valve spool			
85	Pipeline fuel filter element	13037973		
86	Fuel oil filtration	1000495963		
87	oil filter	1000736572		
88	air filter	WP-KLQ		
89	Grease gun mouth	FM010134		
90	Bowl brush 125/150	FM010136		
91	Cutting head copper slide block	65×35×9		
92	Cutting head copper slide block pad	64×34×0.5		
93	Cutting head copper slide block bolt	M6×20		
94	specialized Jack screw for slide block	2456		
95	speed control valve	FM010144		
96	Precision speed control valve	FM010143		
97	Cutting head stop block			
98	Cutting head stop block Jack screw			
99	Multiway valve spool	Y		
100	Multiway valve spool	O		
101	accumulator	FM010154		
102	screw	M12×45		
103	screw	M12×50		
104	Liquid level and temperature gauge	FM010212		
105	Shockproof pressure gauge			

106	adjustable pad	FM010161-3		
107	Filter pressure regulating valve	B73G-3AK-QM3-RMN		
108	Oil atomizer	L73M-3GP-EDN		
109	Single electronic control two position five way solenoid valve	MFH-5-3/8-B		
110	Silencer	T40C3800 3/8		
111	Pressure gauge (right angle of dial interface)	YQHNB-063.A0.501.M140.R14 (1.6MPa)		
112	Cylinder	PRA802080/M/50		
113	Cylinder	PRA802080/M/25		
114	Three position five way solenoid valve (middle seal)	MFH-5/3G-3/8-B		
115	Quick release valve	SEU-3/8 6755 0.2-10bar		
116	Solenoid valve coil	MSFG-24/42-50/60		
117	Dual electronic control two position five way solenoid valve	JMFH-5-3/8-B		
118	Hand slide valve 3/8 interface	HSV10SSG		
119	Remote control receiver box	F21-E18		
120	Battery for machine	gdjyjy-24v-12Ah		
121	Aligning device walking wheel	customized		
122	aligning device support wheel	customized		
123	alignment brake block	customized		
124	quick plug	customized		
125	Lifting cylinder oil seal			
126	Lifting cylinder oil seal			
127	Copper lining spring	specialized		
128	copper lining Support assembly	specialized		
129	screw	M8*80		
130	screw	specialized		
131	Spring washer (bearing circlip)	M8.2		
132	copper sheet			
133	Copper lined connection plate	specialized		
134	Main support	specialized		
135	stop plate	specialized		
136	stop plate	specialized		
137	copper bush	13.5 mm		
138	expansion claw adjustable pad	Φ40		
139	expansion claw adjustable pad	Φ40		
140	expansion claw adjustable pad	Φ40		
141	expansion claw adjustable pad	Φ40		

142	expansion claw adjustable pad	Φ36		
143	expansion claw	90*54*37 mm		
144	3/8 quick connector	customized		
145	610 Copper lining for aligning device -1054	customized		
146	Sensor junction box	SACB-6/12-L-C SCO 1516810		
147	Cylinder seal ring			
148	Two-piece connection			
149	Quick exhaust valve gasket			
150	grease cup			
151	welding gun	W1030109		
152	Wire feeder assembly (right car)	W1030132-HDJ		
153	Wire feeder assembly (left car)	W1030132-HDJ		
154	Wire feeding motor drive gear	W1030133		
155	Gas cable	W1030134		
156	Gas pipe quick connector	W1030136		
157	Traveling motor	W1030146		
158	Wire feeding motor	W1030135		
159	Handheld box control line	W1030205		
160	Welding trolley control cable	W1030150		
161	coupling	W1030154		
162	Adjusting handle of wire feeder	W1030163		
163	Straightening cover plate (without glass)	W1030165		
164	Trolley clamping handle	W1030169		
165	Angle sensor	W1030171		
166	W1N handheld box	W1030206		
167	Up and down stepping motor	W2030142		
168	Left and right stepping motor	W2030143		
169	Travel motor encoder	W2030144		
170	Protective gas solenoid valve	W1030199		
171	Root welding nozzle	6.3*48*1.0		
172	Thermal welding nozzle	6.3*48*1.2		
173	External welding nozzle	Cr6.35*48*1.2		
174	godet	W1030118		
175	Wire feeding wheel (with teeth)	W1030159-1.0		
176	Special wrench for trolley	W1030225		
177	Gas electric hybrid block	W1030135		

178	Wire feeder inlet guide nozzle	W1030126		
179	Wire guide tube (including joint)	W1030127		
180	feedback line			
181	trolley handle	W1030170		
182	screw	M3*10		
183	screw	M3*6）		
184	screw	M3*8		
185	screw	M3*8）		
186	screw	M4*12		
187	screw	M4*16		
188	screw	M4*4		
189	screw	M4*8		
190	screw	M4*8		
191	screw	M5*10		
192	screw	M5*10		
193	screw	M5*16		
194	screw	M5*16		
195	screw	M6*16		
196	screw	M6*16		
197	screw	M8		
198	Jack screw	M4*6		
199	button battery			
200	storage card			
201	parameter card			
202	core board	W2N2030249		
203	WIN main control panel			
204	DSP board	W2N2030251		
205	Motion control baseplate			
206	Stepper motor drive board	W1030188		
207	stepper motor driver	W1030187		
208	touch screen			
209	touch panel			
210	Wire feed motor driver	W1030148		
211	Dc motor driver	W1030189		
212	switching power supply	W2030192		
213	Slow break glass fuse tube			

214	control panel component			
215	Wire feeder control box assembly			
216	Main control board component			
217	IGBT module			
218	Rubber pad			
219	adjustable pad	W1030102-05		
220	adjustable pad	W1030103-1		
221	adjustable pad	W1030104-2		
222	adjustable pad	W1030105-4		
223	extension support			
224	Pan fried Slices	W1030204		
225	Quick male connector of handle wire	W1030137		
226	Quick female connector of connecting wire	W1030138		
227	External welding track	W1230101-610		
228	Special track wrench	W1030100		
229	Track butterfly spring	W1030101		
230	Track connection block	W1030106		
231	Track locking screw	W1030107-1070		
232	Track locking screw copper gasket	W1030108		
233	Contact nozzle lock nut	W12030114		
234	Air hood	W12030115		
235	Gas hood sealing ring	W12030117		
236	Welding gun wire guide pipe connection sleeve	W1030119		
237	Timing belt clamping wheel	W1030157		
238	Welding wire disc locking nut (left side)	W1030162		
239	Welding wire disc locking nut (right side)	W1030162		
240	Insulating spacer sleeve	W1030121		
241	Insulating sleeve	W1030122		
242	Wire guide tube (including joint)	W1030123		
243	Wire feeder inlet guide nozzle	W1030125		
244	Handheld box silicone panel	W1030207		
245	Timing belt wheel active	W1030155		
246	Timing belt wheel driven	W1030156		
247	Timing belt	W1030158		
248	Wire feeding wheel (with teeth)	W1030160-1.2		
249	Swinging guard	W1030168		

250	Wire pressing wheel	W1030161		
251	generators	ZL50F		
252	starter	ZL50F		
253	Clutch assembly	ZL50F		
254	Transmission oil seal	ZL50F		
255	Gearbox bearing	ZL50F		
256	Before the drive shaft	Z520100040		
257	The main transmission shaft	Z520100020		
258	After the shaft	Z520010030		
259	Cross Bearing	ZL50F		
260	shift fork	510210330		
261	Double pump	W06400000		
262	Air afterburner pump	XM60-3510002 W062100000		
263	water pump assembly	ZL50F		
264	Variable speed oil pressure gauge	W11002360650-YT-20213		
265	Tank outlet pipe	Z520140160		
266	Water tank inlet pipe	Z520140170		
267	Tension wheel	ZL50F		
268	Rectangular sealing ring 70	W041200050		
269	Friction pad assembly			
270	Bearing	B120330001-GB283-87		
271	Bearing	B120124018-GB276-89		
272	Bearing	B120134023-GB276-89		
273	Retaining ring	Z510210500		
274	Retaining ring	B070158003-GB8931-86		
275	shim	Z510210250		
276	Bearing	B120144529-GB276-89		
277	Bearing (50308)	B121134023-GB277-89		
278	The gas soft shaft	W11004521		
279	Shut down arrows	W110001620		
280	The inlet pipe	Z520140030		
281	The inlet pipe	Z520140040		
282	headlight	W110000420		
283	Rear brake light assembly			
284	Main power switch	W110024070		
285	Two tone electric horn	W110022050		

286	four sets	ZL50F		
287	Belt tensioning wheel	ZL50F		
288	High and low speed pull wire	ZL50F		
289	Lifting cylinder oil seal	ZL50F		
290	Tilt cylinder oil seal	ZL50F		
291	Transmission case oil seal	ZL50F		
292	High pressure pump	ZL50F		
293	Manual oil pump	ZL50F		
294	Fan blade assembly	ZL50F		
295	Crankshaft front oil seal	ZL50F		
296	Crankshaft rear oil seal	ZL50F		
297	fuel tank cap	ZL50F		
298	water tank cap	ZL50F		
299	tank assembly	ZL50F		
300	Oil radiator	ZL50F		
301	Big repair kits	ZL50F		
302	thermometer	ZL50F		
303	Oil pressure gauge	ZL50F		
304	Oil pressure transducer	ZL50F		
305	Water Temperature Sensor	ZL50F		
306	Ignition switch	ZL50F		
307	Oil filter	ZL50F		
308	Diesel fine filter	ZL50F		
309	Diesel oil crude filter	ZL50F		
310	Air cleaner	ZL50F		
311	Brake oilwater separator	SH380A-3511002		
312	Clutch driving disc	Z510210560		
313	Clutch follower plate	Z510210460		
314	Tire (inside and outside)	W110000040-23.5-25-16PR		
315	Bucket teeth (with pin)	Z420010680		
316	The left tooth	Z510010880		
317	On the right side of the tooth	Z510010890		
318	Bolt M20X80	B040432080		
319	Nut M20	B050332018		
320	Edge tooth bolts	Z510010910		
321	bucket tooth bolt	Z510010880		

322	Nut M20	B051742020-GB6175-86		
323	rearview mirror	ZL50F		
324	Battery for machine	100AH		
325	Fan belt	ZL50F		
326	Brake caliper oil seal	ZL50F		
327	brake caliper	ZL50F		
328	Brake switch	ZL50F		
329	Cylinder head gasket	ZL50F		
330	Turbocharger turbocharger	ZL50F		
331	Turbocharger oil pipe	ZL50F		
332	Fuel injector assembly	ZL50F		
333	Transfer box assembly	ZL50F		
334	belt	ZL50F		
335	Double sided support wheel	0A45065		
336	Single side support wheel	0A45066		
337	Bimetallic insurance	无		
338	Synchronous wheel oil seal	50-72-18		
339	Clutch assembly	DGY18D		
340	Main clutch oil seal	85-110-12		
341	Throttle control flexible shaft (with tie rod)	1W07001		
342	Supporting pulley	0A23160		
343	Tighten cylinder oil seal	无		
344	The generator	JFZ2503/28V		
345	Fan tensioner wheel and bracket assembly			
346	High pressure oil pump assembly	9400366650		
347	Fuel injector assembly	D28-001-41		
348	Highpressure tubing	DGY18D		
349	Slow down starter	QD2826		
350	water supply pipe	D24C-103-43		
351	water pump assembly	D20-000-30		
352	Manual oil pump	DGY18D		
353	Water temperature sensing plug	WG1371(D31-104-30)		
354	Oil pressure transducer	YG901E3		
355	Cylinder cushion	DGY18D		
356	Before and after the oil seal	DGY18D		
357	Valve chamber cover gasket	DGY18D		

358	Luffing cylinder repair kit			
359	Luffing cylinder balancing valve			
360	Engine repair kit			
361	Six supporting facilities			
362	Luffing cylinder assembly			
363	tank assembly			
364	coupling			
365	Ignition switch	JK406B		
366	The horn switch	K02018		
367	Insurance tube	5A		
368	Insurance tube	10A		
369	Insurance tube	20A		
370	driven plate	0A10010		
371	Driven piece	0A10144		
372	The coarse filter	0A19026		
373	Filter components	0A19084/0A19133		
374	Tooth block bolt and female	0A21015		
375	Tooth block bolt and female	0A21016		
376	Caterpillar pin			
377	Caterpillar track section			
378	Track bolt	0A23170		
379	The machine filter	1R0658M		
380	Air filter	DGY18D		
381	fuel filter	1W8633M		
382	Water filter DCA4	DCA4 WF2075		
383	Timing belt	2100		
384	drain pipe	D24B-112-01		
385	Fan belt	8PK1650		
386	Rear output shaft screws			
387	Cross Bearing			
388	double pump			
389	Drive shaft screws			
390	Cylinder repair kit			
391	Cylinder balance valve			
392	Oil radiator assembly			
393	supercharger			

394	Belt tensioning wheel			
395	Water Pump,			
396	Fan blade assembly			
397	Steel wire rope	16MM		
398	Steering cable			
399	Torque converter filter element	195-13-13420		
400	Electronic monitoring instrument	DJY-1		
401	Electromagnetic power main switch	MZJ-600S/24.48A1		
402	Charging ammeter	VDO		
403	Oil pressure gauge	VDO		
404	thermometer	VDO		
405	timer	VDO		
406	The oil temperature table	VDO		
407	pendant for crane			
408	The big arm pin			
409	Boom figure ring 8			
410	Wedge iron assembly	#18		
411	Wedge iron assembly	#20		
412	With heavy oil cylinder repair kit			
413	Pilot solenoid valve			
414	The main hydraulic valve	D-81673		
415	Balancing valve			
416	Balancing valve			
417	Plate type coupling	154-20-10002		
418	Cold machine			
419	Hydraulic pump always	CBY4140/K1010-137L		
420	Hydraulic pump always	DGY40B		
421	Transmission valve body assembly	DGY40B		
422	Hydraulic return pump	DGY40B		
423	Floating oil seal (size circle)			
424	look baffle (with spring)			
425	Chassis filter	175-49-11580		
426	Double side support heavy wheel assembly	DGY40G		
427	Single side support heavy wheel assembly			
428	Supporting pulley	DGY40G		
429	Headlight assembly	LED		

430	Travelling filter gland			
431	Travelling filter			
432	Tighten cylinder oil injection valve			
433	Start up relay			
434	Winch motor repair kit			
435	Lifting mechanism repair kit	IYJ4L-70-100-20-ZP：5-1800		
436	Luffing mechanism repair kit	IYJ4-60-60-18-ZP：3-1000		
437	With heavy oil cylinder assembly	DGY40G		
438	With heavy oil cylinder assembly	DG40B		
439	Balancing valve	CBEG		
440	Variable speed pump			
441	Steering pump			
442	Helper brake valve	DGY40G/40B		
443	Handle operated valve	DGY40G/40B		
444	Handle operated valve oil seal	DGY40G/40B		
445	Counterweight operated valve	DGY40G		
446	PT pump assembly	40G		
447	Turbocharger turbocharger	T-46		
448	Oil pump complement	3821579		
449	Reducer starter assembly	QD2839		
450	water pump assembly	3022474		
451	generators	JFW231		
452	fule tank cap			
453	Fuel injector seal ring	193736		
454	Fuel injector assembly	3054218		
455	Belt tensioning wheel			
456	Crankshaft rear oil seal			
457	Crankshaft front oil seal			
458	The repair kits	NT855-C280		
459	The repair kits	NT855-C280		
460	tank assembly	40T		
461	PT pump solenoid valve	FV8012 3064609		
462	Oil induction plug			
463	Water temperature gauge			
464	Six supporting			
465	Hydraulic oil vernier			

466	Hydraulic oil vernier	长条		
467	Water pump belt adjustment wheel			
468	Fan belt tightening wheel			
469	Roll up the repair kit			
470	Large rod lift valve	外阀体		
471	Hook winch valve	外阀体		
472	hoist winch internal tooth clutch plate			
473	hoist winch disc-shaped plate			
474	hoist winch repair kit			
475	transmission speed valve assembly			
476	left side of the steering valve			
477	right side of the steering valve			
478	Hydraulic tubing quick connector			
479	Tooth block bolt and female	DGY40G		
480	Drive tooth screw			
481	Caterpillar track section	DGY40G		
482	segments	154-32-11113		
483	Brake band	DGY40G		
484	Caterpillar pin	DGY40G		
485	Track plate screws and female	DGY40G		
486	Steel wire rope	18mm		
487	Steel wire rope	20mm		
488	Wire rope clip	18mm		
489	Wire rope clip	20mm		
490	The throttle pull			
491	Steering cable	无		
492	Water filter	WF2054		
493	Air filter assembly	6128-81-7320/6128-81-7412		
494	Oil filter	LF777		
495	fuel filter	FS1212		
496	Oil filter	LF9009		
497	Oil filter	LF670		
498	generator belt	AV13*1030		
499	Fan belt	AV22X1950		
500	Water pump belt	6PK1105		
501	water pipe	3024666		

502	small water pipe	无		
503	Battery for machine	195AH		
504	ensioning cylinder repair kit			
505	The fuel tank switch	HY100		
506	fule tank cap			
507	Tension cylinder relief valve			
508	Tension cylinder assembly	HY100A-0101		
509	Hub motor	GM18VL-K-31/53-7		
510	travel reduction gear			
511	Walking drive wheel	HY100		
512	counterweight			
513	counterweight assembly	HY100		
514	Corrugated pipe	HY100		
515	The normal temperature shaft	50104		
516	Low temperature shaft	HY100		
517	coupling	65SHA		
518	Binding teeth (in coupling)			
519	Synchronous tooth belt bearing	NSK 6313		
520	Synchronous tooth belt pulley			
521	Synchronous tooth belt pulley			
522	Throttle pull line assembly	5m		
523	ring gear	A3903309		
524	rain cap	HY100		
525	Double pump			
526	Sa ’ao pump	HY100		
527	Swash plate guide for Sa ’ao pump	4510424		
528	Sa ’ao pump oil seal	NOK0445E		
529	The pump shaft	HY100		
530	The overflow valve	YFB10C-Y1		
531	Electromagnetic power switch	HY100		
532	Travel control switch	HY100		
533	Walking control assembly	HY100		
534	Traveling solenoid valve	4WE6Y61/CG24N9Z5L		
535	Electronic monitoring instrument	GDR88K		
536	Basin type electric horn	24V DL50G		
537	The headlight assembly	24V方灯 LED		

538	thermometer	SW242A		
539	Charging ammeter			
540	Oil pressure gauge	PL122A		
541	timer	HX1-02		
542	tachometer	Z5251		
543	Ignition switch	JK808		
544	tank assembly	6BTA5.9-C170		
545	Return oil filter	HY100		
546	Oil absorption filter	HY100		
547	Hydraulic tank filter element	HY100		
548	Distributing valve	HY100		
549	Oil transfer pump	1106N-010-XS		
550	Oil pressure transducer	EQ-153 24V		
551	temperature sensor	3834N05-010		
552	Speed sensor	3864N-010		
553	Turbocharger turbocharger	WH1C/4035239		
554	High pressure tubing assembly	A3909439		
555	The fan blade			
556	Fan base bracket assembly	A3960390		
557	Cylinder wall cooling nozzle	6BTA5.9-C180		
558	High pressure oil pump assembly	C180		
559	High pressure oil pump assembly	C180		
560	High pressure pump return tubing	3913930		
561	Tubing back cushion	HY100		
562	Return pipe hollow screw	A3905307		
563	Supercharger return pipe	A3918579		
564	Oil foot			
565	water pump assembly	A3960342		
566	Fuel injector assembly	A3919350（180）		
567	pulley	A3914463		
568	Belt tensioning wheel	A3914086		
569	Generator alternator assembly	37N-01010（28V45A）		
570	Generator regulator	JFZ2840-800A		
571	Electromagnetic starter assembly	M93R3002SE		
572	Starter suction Packsage	M93R3002SE		
573	Starter gear coupling	M93R3001SE-02-0000AM		

574	Crankshaft rear oil seal	3925529		
575	Crankshaft front oil seal	A3900709		
576	tank cover	6BTA5.9-C170		
577	Cylinder cushion	A3921394		
578	Valve chamber cover gasket	A3902666		
579	Valve chamber hood screw	A3960357		
580	Engine water blockage	6BT		
581	Engine overhaul package	A3900000		
582	four supporting	6BTA5.9-C180		
583	Valve seal	A3921640		
584	The crankshaft bearing	A3901090/A3906230/3901150		
585	The connecting rod bushing	A3941476		
586	Connecting rod	C3969562		
587	CAM bearing	3901306		
588	Connecting rod screws	A39009119		
589	support rod	C3931623		
590	The push rod	A3904679		
591	Crankshaft (with crankshaft gear)	A3907804/A3901258		
592	The camshaft	C3283179		
593	Connecting rod	A3901569		
594	Inlet valve	A3901117		
595	The exhaust valve	A3901607		
596	valve spring			
597	Flameout solenoid valve	C4942879		
598	Oil pan is blocked	6BT5.9		
599	Supercharger clamp	6BT		
600	oil cap	无		
601	Side cover pad	3928832		
602	Oil pump	1011N-041-B		
603	Engine assembly	6BTA5.9-C180		
604	Cylinder head assembly	HY100		
605	Transfer box assembly			
606	Transfer box assembly			
607	Drive gear			
608	Trunk of door lock	HY100		
609	Multiway valve assembly	HY100		

610	Muffler complement	HY100		
611	circuit breaker	250		
612	circuit breaker	3P 63A		
613	circuit breaker	2P 20A		
614	circuit breaker	1P 10A		
615	quick connector			
616	quick connector			
617	horn button.	JK260/24V		
618	Start button	D-III AC/DC24V		
619	rearview mirror	HY100		
620	Gas spring	450MM		
621	Caterpillar track section	HY100		
622	Caterpillar pin	HY100		
623	segments	HY100		
624	Track plate screws and female	M16x35 12.9		
625	Safety box complement	BX508		
626	Timing belt	2380		
627	Timing belt	2310		
628	Timing belt	2198		
629	The throttle pull	5m		
630	Fan belt	8PK1425		
631	hose	1m		
632	Insurance tube			
633	Insurance piece	10A		
634	Insurance piece	20A		
635	Insurance piece	30A		
636	Grease nipple	10#		
637	Grease nipple	10#		
638	The machine filter	LF3349		
639	Diesel filter element	FS1280		
640	Diesel filter element	FS5052		
641	Air filter	K2337		
642	Air filter	K2337		
643	Air filter			
644	Oil water separator	FS5327		
645	Cylinder head screw	A3903940		

646	water supply pipe	13N-03011		
647	drain pipe			
648	Small water pipe	3p/t		
649	hook for crane lifting	3.2T		
650	Wire rope clip	10#		
651	wire rope	10#		
652	lever switch			
653	AVR board	AS440（小）		
654	diode			
655	Battery for machine	125A		
656	Folding arm pressure regulating valve	YZDZ-180		
657	Fold arm ring	YZDZ-180		
658	Folding arm balance valve	YZDZ-180		
659	Walking control reversing valve	YZDZ-180		
660	unloading valve			
661	Walking control reversing valve spool	YZDZ-180		
662	starter	YZDZ-180		
663	generators	YZDZ-180		
664	starter	YZDZ-180		
665	generators	YZDZ-180		
666	Water Pump,	YZDZ-180		
667	Tension wheel assembly	YZDZ-180		
668	Water Pump,	YZDZ-180		
669	Tension wheel assembly	YZDZ-180		
670	supercharger	YZDZ-180		
671	supercharger	YZDZ-180		
672	Fan blade assembly	YZDZ-180		
673	Fan blade assembly	YZDZ-180		
674	foot valve			
675	temperature sensor			
676	Electronic monitoring instrument			
677	Water tank inlet pipe	YZDZ-180		
678	engine repair kit	YZDZ-180		
679	engine repair kit	YZDZ-180		
680	Insurance piece	10A		
681	Insurance piece	15A		

682	Insurance piece	20A		
683	Insurance piece	30A		
684	counterweight			
685	dragline wheel			
686	Repair kit for walking motor			
687	pilot control valve			
688	boom cylinder seal			
689	hydraulic cylinder extension seal			
690	hydraulic oil cooler fan			
691	gas cylinder lift platform balance valve			
692	gas cylinder lift platform control valve			
693	Magnetic power supply master switch	YZDZ-180		
694	Emergency brake power switch (small crane)	YZDZ-180		
695	Relay (power distribution cabinet)	YZDZ-180		
696	Emergency stop switch	YZDZ-180		
697	Fan belt	8PK1464		
698	Fan belt	8PK1763		
699	V Belt	17-470		
700	leakage protector	250A		
701	Oil water separator	FS36210		
702	Oil water separator	FS36230		
703	Diesel filter element	FF5767		
704	Diesel filter element	FF5612		
705	oil filter,3349	LF3349		
706	oil filter,3349	LF16015		
707	air filter	26531/2		
708	air filter	26557/8		
709	Relay (power distribution cabinet)	KT1-HF3503		
710	diode	20A		
711	rocker switch	YZDZ-180		
712	Ignition switch	YZDZ-180		
713	Switch S2	YZDZ-180		
714	sequence valve			
715	telescopic cylinder oil line hollow screw			
716	rotary reduction gear assembly			
717	rotary reduction gearbox motor			

718	5-pin relay	24V 40A		
719	controller	HGM6110		
720	ECU generator	CM2150		
721	ECU	CM2880		
722	Battery for machine	120A		
723	Battery for machine	160A		
724	water pipe	YZDZ-180		
725	Power main switch (manual)	YZDZ-180		
726	Starter	2509811		
727	Rectifier bridge	HW3		
728	ignition coil	HW3		
729	spark plug	HW3		
730	Idle solenoid valve	HW3		
731	circuit breaker	HW3		
732	shunt	HW3		
733	timer	HW3		
734	Idle speed switch	HW3		
735	The fan blade	HW3		
736	Oil rate sensor	HW3		
737	ammeter	HW3		
738	voltmeter	HW3		
739	Potentiometer knob	HW3		
740	potentiometer	HW3		
741	Voltage voltage regulator	HW3		
742	The radiator	HW3		
743	Overload protection device	HW3		
744	Main control board	HW3		
745	Rectifying plate	HW3		
746	Secondary wiring terminal	HW3		
747	Carburetor assembly	HW3		
748	Start switch	HW3		
749	four supporting			
750	engine repair kit			
751	Oil filter	1205001		
752	Gas filter	2405013		
753	Air filter (outer center)	2408302		

754	Air filter (inner)	4708803		
755	Battery for machine	36AH		
756	Choke pull wire	HW3		
757	Frame welding	MG-220CC		
758	Front box			
759	casing			
760	fuel tank bracket	MG-220CC(		
761	Fuel tank bracket I (Kohler)	MG-220CC		
762	Fuel tank damping pad			
763	KW inclined shock absorber	MG-220CC		
764	Threephase rectifier bridge	DSDII 250A		
765	Welding of fuel tank bracket II	MG-220CC		
766	control transformer	MG-220CC		
767	Oil extension rod	GX390		
768	KW inclined shock absorber (thickened)	MG-220CC		
769	Interface end cover (connected to power)			
770	Bearing end cover			
771	Rotor Assembly (Permanent Magnet)	MG-220CC		
772	Stator assembly (equipped with permanent magnet)	MG-220CC		
773	Fan Permanent magnet generator rotor fan			
774	Tie rod a fastening bolt similar to the top rod			
775	retaining ring			
776	main control board	MG-220CC(1120-7)		
777	Digital display meter	SXB3503		
778	Chip driver board	MG-220CC(1042-6)		
779	potentiometer	WH137_1/4W_10KΩ±5%		
780	Aluminium electrolytic capacitor	24000uF_(-10 +50%)_100V_		
781	IGBT module	FF400R06KE3		
782	miniature circuit breaker	NDM1-63B 6A/1P		
783	timer	SYS（DC12～36V）		
784	Sensors	HAS400-S/SP50		
785	Two core socket	16A/112 TYP1609(220V)		
786	Axial flow fan (counterclockwise direction)	6205DDUC3E		
787	axial flow fan	200FZY2T-D		
788	Fuel tank oil level indicator (2/Sets)			
789	tank cover	10083		

790	Oil level switch (220 oil engine)			
791	air filter assembly	GX390(17200-ZE3-W03)		
792	cylinder head assembly	1220C-Z7E-000		
793	cylinder head gasket	12251-ZF6-W00		
794	piston ring kit	13010-Z7E-801		
795	The push rod	14410-Z7E-000		
796	valve rocker arm	14431-ZE2-010		
797	intake valve	14711-Z7E-000		
798	Exhaust valve	14721-Z7E-000		
799	Intake valve spring seat intake valve clip	14771-ZE2-000		
800	Carburetor assembly	16100-Z7E-701		
801	speed control gear assembly	16510-Z7E-000		
802	Exhaust valve spring seat exhaust valve clip	14773-ZE2-000		
803	Push rod guide plate	14791-Z7E-000		
804	connecting rod assembly	13200-Z1C-000		
805	valve rotor	14781-Z7E-000		
806	Ignition coil assembly	3051A-Z7E-000		
807	Rocker arm shaft bolt	90206-ZE1-000		
808	oil seal	91201-Z7E-003		
809	Piston (standard)	13101-Z7E-800		
810	Piston pin	13111-Z7E-000		
811	spark plug	98079-55846		
812	silencer	1830-CF6-W02		
813	Choke adjustment lever	16610-Z1T-000		
814	Fan cover assembly (square hole)	19610-Z7E-000R280		
815	oil seal			
816	Start handle	28461-Z2E-003		
817	spark plug cap	30700-ZIT-003		
818	Silencer installation studs	92900-08032-0E		
819	Speed control arm return spring	16562-ZE3-000		
820	Cylinder block assembly (crankcase)	12000-Z7E-810		
821	Oil alarm	34150-ZH7-013		
822	Fuel filter	GX390		
823	Start pull rope			
824	Spark plug sleeve			
825	Crankcase gasket			

826	Speed control spring	GX-390		
827	Exhaust pipe muffler elbow			
828	Speed control arm	GX390		
829	oil dipstick	GX390		
830	Silencer sealing gasket	18381-ZE2-801		
831	oil pipe	Φ5		
832	Insulator gasket (paper pad against cylinder head)	16223-ZE3-W00		
833	Carburetor insulation spacer (rubber block between carburetor			
834	Carburetor Spacer (Steel Pad)	16220-ZA0-702		
835	ammeter	M10485-8		
836	ammeter			
837	voltmeter			
838	voltmeter	9MS10486-3		
839	Alternating current contactor	M12161-80		
840	Micro switch	T12485-3		
841	Potentiometer knob housing	S11306-2		
842	Control transformer	M13471-2		
843	Wiring terminal assembly	T14166-9		
844	Self tapping screw			
845	potentiometer	WH137-1-1/4W/4.7K		
846	potentiometer	WH137-1-1/4W/470K		
847	Digital display table	SXB3503		
848	Fan capacitor	CBB61-1μF/1KV		
849	Miniature circuit breaker	NDM1-63 C40A/3P		
850	Insurance header	WS5-40		
851	The fan net	200F		
852	Four core cable	YZ-4×4		
853	Large exhaust fan	200FZY2-D		
854	Large exhaust fan	200FZY7-D		
855	Overload protection device	1A		
856	snap action thermostat	KSD305		
857	Air valve	DF2-3-B/36VAC		
858	shunt	FL2-300A/75mv		
859	Control transformer	T311908/07-180TS		
860	Control transformer	WS5 E22×40		
861	Isolation transformer	E16×24		

862	Boost voltage transformer	E28×33		
863	rack	WS5-400-003-ILTI		
864	Control transformer	WS5-400-010017		
865	Driver board	IGBT(ZX7-400)		
866	Diode guard plate	1320		
867	RC circuit			
868	IGBT module	GD75HFU120C1S		
869	Output protection assembly	WS5-400(1505)		
870	IGBT protection board	1091A(WS5-400)		
871	current limiting plate assembly	WS5-400(1094)		
872	IGBT protection board	1091B(WS5-400)		
873	High frequency board	WS5-400(1022-2)		
874	Main control board	WS5-400（1020-8）		
875	High frequency board	（1024-4）		
876	Bakelite handle	LB120mm		
877	casing	ZX7-400R-S-004-5		
878	Rear panel	WS5-400-002-1		
879	The front panel	WS5-400-001-1		
880	Air valve	DF2-3-B/24VDC		
881	Output copper bar negative	DXT-500-010012		
882	reactor	DXP-500-010028		
883	series main control board	（2740-1）		
884	DXT series display board	（1097-4）		
885	Toggle switch	KN1-202		
886	knob	KYZ20-16-6J		
887	The two core plug	P20J2Q		
888	Two core socket	P20K2A		
889	Quick socket	KDZ70C(red)		
890	Quick socket	KDZ70C(black)		
891	Quick plug	KDP70C(red)		
892	Quick plug	KDP70C(black)		
893	Insurance tube	1A/250V		
894	varistor	MY20K/911		
895	Polypropylene capacitance	CBB22-630V/104J		
896	Non polar capacitance	CBB84-2.5KV/0.47μF		
897	Non polar capacitance	CBB84-1000V/4μF		

898	Non polar capacitance	CBB88-650V-J-20μF		
899	Non polar capacitance	CBB84-500VAC-K/4uF		
900	Non polar capacitance	CBB65B-500Vac-K-70uF		
901	Ceramics capacitors	CT81-2KV-2E4-472M		
902	Ceramics capacitors	CT81-3KV-22P-2E4-103M		
903	Diode module module	MMF200ZB040DK1		
904	Three phase rectifier bridge	MDS75D-12		
905	resistance	RY21-2W/120KΩ±5%		
906	capacitance	CBB22-630V/1uF		
907	capacitance	CBB22-630V/2.2μF		
908	Argon flow regulator	YQYL-2		
909	Diode module module	MMF200ZB040DK1		
910	IGBT module	GD75HFU120C1S		
911	Three phase rectifier bridge	MDS75D-12		
912	Air valve	DF2-3-B/24VDC		
913	Potentiometer knob	KYP27-16-6		
914	sensors	HAS400-S/sp50		
915	fourteen-pin socket	BMS 3102S 20-27N+RG20		
916	fourteen-pin plug	BMS 3106P 20-27N 20A		
917	Digital display meter	2471		
918	Main control board	1039		
919	TIG arc control panel	2822		
920	Output positive copper bar	DXP-500-010020		
921	Quick plug	21KATF06MPX		
922	argon arc welding torch head	QQ-300A		
923	Control transformer	NB-500H-010026		
924	male-to-female pneumatic connector with separator plate	PHB 8		
925	Air pressure switch			
926	Air pressure switch			
927	Electromagnetic starter assembly	W1.6/20-S		
928	The barometer	W1.6/20-S		
929	Safety valve assembly	W1.6/20-S		
930	Compressor head with wheel with fan blades	W1.6/20-S		
931	Electric motor (belt wheel)	W1.6/20-S		
932	Filler cap	W1.6/20-S		
933	Observation hole	W1.6/20-S		

934	Air compressor pneumatic hose			
935	The belt	W1.6/20-S		
936	Drain valve (air reservoir)	W1.6/20-S		
937	Pressure switch			
938	Exhaust joint	W1.6/20-S		
939	Air filter assembly	W1.6/20-S		
940	Control button	Φ610		
941	Two-position five-way valve (single control)	Φ610		
942	Control valve	两位一通阀		
943	triplet	Φ610		
944	Pressure gauge	Φ610		
945	Travelling wheel bearing			
946	Walking drive wheel	Φ610		
947	Walk round	Φ610		
948	Steel wire rope	4mm		
949	Quick connector			
950	Walking wheel chain	Φ610		
951	Adjust the pad	0.1mm		
952	Adjust the pad	0.2mm		
953	Adjust the pad	0.5mm		
954	The trachea	Φ610		
955	Press the valve O ring by hand	Φ610		
956	Stainless steel ball valve	4分		
957	Two end buckle outer joint	4分		
958	Copper ball valve	4分		
959	expansion claw			
960	expansion claw pole			
961	expansion claw screw			
962	dust cap			
963	Copper ball valve			
964	screw thread	1月2日		
965	Air filter	130-4678		
966	fuel filter	435-6493		
967	nanoscale oilwater separator filter element	441-5111		
968	nanoscale oilwater separator filter element			
969	Oil filter	462-1171		

970	Fan belt	DE165E0		
971	water supply pipe	DE165E0		
972	drain pipe	DE165E0		
973	Small water pipe	DE165E0		
974	water pump	DE165E0		
975	generators	DE165E0		
976	starter	DE165E0		
977	oil pump			
978	Battery for machine	195A		
979	AVR board	DE165E0		
980	controller	DE165E0		
981	oil filter			
982	oil filter			
983	air filter			
984	water filter			
985	generators			
986	starter			
987	belt			
988	belt	04122-22279		
989	belt			
990	regulating wheel			
991	regulating wheel			
992	Water Pump,			
993	throttle cable			
994	shovelling blade	175-70-26310		
995	Shovel knife Angle	175-71-22272		
996	Shovel knife Angle	175-71-22282		
997	screw	175-71-11454		
998	screw	175-71-11530		
999	gasket	01643-22245		
1000	screw	175-71-11463		
1001	oil seal			
1002	oil seal			
1003	Water Pump,			
1004	Pump belt tightening wheel			
1005	Fuel injector			

1006	The repair kits			
1007	The repair kits			
1008	four supporting			
1009	Cross Bearing			
1010	Torque converter oil seal			
1011	Oil seal of caterpillar inflating cylinder			
1012	counterweight			
1013	counterweight			
1014	Lifting cylinder repair kit			
1015	The lifting cylinder			
1016	Tilt cylinder repair kit			
1017	tank cover			
1018	tank cover			
1019	Control handle	PD320Y-2		
1020	Battery for machine	195AH		
1021	The blade	71-19		
1022	Left a knife Angle	71-17		
1023	Knife right Angle	71-18		
1024	screw	71-20		
1025	screw	71-21		
1026	screw	71-22		
1027	The gasket	01643-22245		
1028	cutting edge hope			
1029	End blade (left)			
1030	End blade (right)			
1031	screw			
1032	screw			
1033	The gasket			
1034	Steering cable			
1035	Single side support wheel			
1036	Brake band			
1037	Wedge iron assembly			
1038	Hydraulic pump always	CBY4100/4100/2040-131L		
1039	thermometer	40° -120°		
1040	Oil pressure gauge	VDO 1.0MPa		
1041	Electromagnetic power main switch	DK238		

1042	Double sided support wheel			
1043	Supporting pulley			
1044	Plate type coupling			
1045	Tension cylinder relief valve			
1046	Tighten cylinder oil injection valve			
1047	Tension cylinder assembly			
1048	Sail maintenance free battery	190H52		
1049	The big arm pin			
1050	Boom figure 8 ring			
1051	With heavy oil cylinder repair kit			
1052	Lifting mechanism repair kit	IYJ5L-100-95-22-ZP 马达：6-2000		
1053	Luffing mechanism repair kit	IYJ4-80-75-22-ZP 马达：4-1300		
1054	Balancing valve	CBEG		
1055	Balancing valve			
1056	The main hydraulic valve			
1057	Turbocharger turbocharger	3529040		
1058	Walking oil pump			
1059	timer	VDO		
1060	headlamps	24V		
1061	PT pump fuel solenoid valve	FV8012 3064609		
1062	PT pump assembly			
1063	Plate type coupling			
1064	fule tank cap			
1065	Fuel injector assembly			
1066	Belt tensioning wheel			
1067	Cylinder cushion			
1068	The repair kits	NT855-C360		
1069	The repair kits	NT855-C360		
1070	Crankshaft rear oil seal			
1071	Crankshaft front oil seal			
1072	Pilot solenoid valve			
1073	throttle valve			
1074	water pump assembly			
1075	Tension cylinder repair kit			
1076	Steering pump	TY320		
1077	Roll up the repair kit			

1078	Gear guy			
1079	Tooth piece			
1080	Tooth block bolt and female			
1081	Caterpillar track section			
1082	Caterpillar pin			
1083	segments			
1084	Track plate screws			
1085	Water pipe			
1086	The throttle pull			
1087	Steel wire rope	ϕ 22		
1088	Steel wire rope	ϕ 22		
1089	Fuse box	BX306		
1090	The belt	AV13×1020		
1091	Fan belt	7780 22×1945L		
1092	Water pump belt			
1093	Walk filter			
1094	fuel filter	FS1212		
1095	Oil filter	LF777		
1096	Oil filter	LF670		
1097	Oil filter	LF9009		
1098	Air filter			
1099	oil cap	35315233		
1100	Circuit breaker	36898229		
1101	Battery for machine	48AH		
1102	temperature sensor	36868479		
1103	Plug	43214493 CEI23/6		
1104	Socket	43214204		
1105	Light bulb	36847747		
1106	Oil water separation core	35367978		
1107	fuel filter	36870566		
1108	Oil filter	36870574		
1109	Air filter	36890135		
1110	Fan belt	36888493		
1111	PT pump solenoid valve	FV820		
1112	PT pump assembly			
1113	Position actuator			

1114	Turbocharger turbocharger			
1115	Water Pump,			
1116	Connecting hose of intercooler			
1117	Intercooler connecting hose clip			
1118	Valve stem			
1119	oil seal			
1120	Cylinder gasket			
1121	Connecting rod bearing			
1122	Connecting rod screw			
1123	Turbocharger oil pipe			
1124	Tensioning wheel			
1125	Booster hose			
1126	Electronic controller	DSE5110		
1127	Control relay	HR2B-ULDC24V		
1128	Plastic case circuit breaker	DZ20Y-630/3300		
1129	Zero line tram insulator			
1130	Electronic controller	P/N3044196REUAM		
1131	fuel filter	FS1212		
1132	Oil filter	LF9009		
1133	Water filter	WF2076		
1134	Air filter	AF-928M		
1135	Diesel oil inlet pipe	ϕ18		
1136	Diesel return pipe	ϕ16		
1137	Air filter assembly	K-821A/B		
1138	Air filter	K-821A/B		
1139	Bolt M24 × 80 (Dacromet)	805004832/GB/T5782-2000 M24×80 10.9		
1140	Pin	819956515/J450-P		
1141	Lateral teeth	819909821/S30119587H		
1142	Circlip	819956516/J450-R		
1143	Bucket tooth	819960047/1U3452RC-N		
1144	Nut M24 (Dacromet)	805203192/GB/T6170-2000		
1145	Tooth seat	819961513/6I6464V(50)		
1146	gasket	805338299/GB/T1230-2006		
1147	V belt	800307117/GB/T13352-1996 AV13×1330V13×13		
1148	overhaul package			
1149	Cylinder head seal	800147115/4981796		

1150	Metric hinge bolt M16 × one point five × 28.5 (Dacromet)	805046572/S700M-16 M16×1.5×28.5		
1151	Water supply pipe	312004489/XE300C.13VI.1-3		
1152	drain pipe	312004490/XE300C.13VI.1-4		
1153	O-ring 165 × five point three	801102871/GB/T3452.1-2005 165×5.3		
1154	Bolt	414101688/XDL216B-11		
1155	Nut	414101689/XDL216B-12		
1156	Chain rail assembly	414104663/XDL216B×1		
1157	Main chain rail assembly	414104664/XDL216B×1		
1158	Tensioning wheel belt adjustment bolt assembly	803598993/KK16A021Z		
1159	Air filter	803302924/PAG2-005		
1160	counterweight Assembly	414101770/XDZ216B		
1161	main controller	803746246/IMCT1837		
1162	Fuel level sensor	312702275/FS-005-HP-850		
1163	Hydraulic oil temperature sensor	803596847/323-801-004-002N M14×1.5		
1164	Electronic monitor	312703168/EXEGXCMG080G-10		
1165	Left boom cylinder	804002506/XG305G-DB(L)		
1166	Right boom cylinder	804002507/XG305G-DB®		
1167	arm cylinder	804002508/XG305G-DG		
1168	Bucket Cylinder	804002509/XG305G-CD		
1169	Left pilot valve	803007152/PV48K1336(LH)		
1170	Right pilot operated valve	803007151/PV48K1337(RH)		
1171	Front shock absorber	800141489/23S-01-11140-C8.3		
1172	Rear shock absorber	800141490/208-01-55220-C8.3		
1173	coupling	800141492/CF-H-160-ZO-11057		
1174	To start the motor	800151729/4995641		
1175	Turbocharger turbocharger	800161772/4046100		
1176	Crankshaft rear oil seal	800159291/5259499		
1177	battery charger	800147214/5282841		
1178	Water Pump,	800161781/5346205		
1179	thermostat	800161783/5274349		
1180	Air intake hose	312702147/XE370G.13.3-2		
1181	Air intake hose	800159931/AH127014		
1182	Track shoe	414101751/XDL216B-6001336		
1183	Idler Assembly	414101764/XDY216B		
1184	Drive wheel	414101769/XDQ216B		
1185	Carrier roller assembly	414104748/XDT216D		

1186	Main filter element	800163274/P640149		
1187	Internal circulation filter	803547419/KK08A002Z		
1188	External circulation filter	803547418/KK08A003Z		
1189	air cleaner element	803373596/PAG2X		
1190	Diesel filter element	800107868/3973232/FF5580		
1191	Fuel filter element	800150422/FS20019		
1192	Oil filter	800149075/3973686		
1193	Fuel filter element	800155531/4070801		
1194	Oil suction filter element	860139874/EF-550-100		
1195	nanoscale oil-water separator filter element	800169333/5560204		
1196	reverse alarm			
1197	proximity switch			
1198	hydraulic control handle assembly			
1199	monitoring instrument			
1200	steering hydraulic cylinder	ZL50F		
1201	Diesel filter assembly	ZL50F		
1202	reverse light switch	ZL50F		
1203	rearview mirror	ZL50F		
1204	Oil filter	D17-002-02+B		
1205	air filter	3043		
1206	Fuel filter element	FC-5501（SF-W）		
1207	Oil filter	1R-0778		
1208	air filter	6I-0273(0274)		
1209	Fuel filter element	1335673		
1210	water filter	I-R0750		
1211	starter	3708100D		
1212	generators	3701100B		
1213	fan belt	YC80-8PK-1760B		
1214	Oil filter	150-1012240		
1215	Fuel filter element	6105QA-1105300A		
1216	air filter	1634		
1217	Oil water separator filter element	B7604-1105240		
1218	four supporting	D30		
1219	overhaul package	D30		
1220	Fuel injector	330-11		
1221	Oil water separator filter element			

1222	Screw oil filter element	813		
1223	Screw machine air filter	2018		
1224	fuel injection pump	D700-1111100A		
1225	starter	3708100B		
1226	generators	3701100D		
1227	fan belt	YC80-1940B		
1228	Oil filter	186-1012240		
1229	Fuel filter element	A50900-1105140		
1230	nanoscale oilwater separator filter element	A50000-1105350		
1231	generator ECU	A50000-3823		
1232	Fuel injector	DK300-111		
1233	nanoscale oilwater separator filter element			
1234	Screw oil filter element	WD962		
1235	Screw machine air filter	2018		
1236	Lincoln Semi-automatic welding torch	350A		
1237	Lincoln Semi-automatic welding torch data cable	6core*15m		
1238	adaptor(black box)			
1239	voltmeter			
1240	voltmeter			
1241	insulating tape	5CM		
1242	Relay (power distribution cabinet)			
1243	carbon brush			
1244	Wire pressing wheel	Φ2.0		
1245	wire feeding conduit			
1246	semi-automatic welding torch shield			
1247	semi-automatic welding torch fixed bent tube copper clamp			
1248	semi-automatic welding torch cross knob			
1249	semi-automatic welding torch microswitch			
1250	semi-automatic welding torch 1-2 gear switch			
1251	semi-automatic welding torch microswitch			
1252	semi-automatic welding torch 1-2 gear switch			
1253	semi-automatic wire feeder positioning core			
1254	semi-automatic conductor block			
1255	wire feeder potentiometer			
1256	thread roller tightening screw and spring			
1257	wire feeder main board			

1258	Wire feeding wheel (with teeth)			
1259	wire feeder motor			
1260	wire feeder potentiometer external knob			
1261	wire feeder gear selector aviation socket	4 core		
1262	wire feeder microswitch aviation socket	3 core		
1263	wire feeder data cable aviation socket	6 core		
1264	wire feeder fuse	2-5700-IG1-P10		
1265	wire feeder wire spool conduit			
1266	wire feeder wire spool cap			
1267	semi-automatic tube bender	60°		
1268	semi-automatic tube bender	90°		
1269	six-core control cable			
1270	wire feeder second line			
1271	40T limiting stopper			
1272	20T limiting stopper			