



संख्या: टीएम/एच एम/टी आर टी/पार्ट. III

दिनांक -As signed

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विषय: ट्रैक रिलेइंग ट्रेन (मॉडल-P811S) (मशीन सं. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442 हेतु मान्य) मशीन की क्रिटिकल स्पेयर्स पार्ट सूची।

Sub: Critical spare part list of Track Relaying Train (TRT) (Model-P811S) (applicable for machine no. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442).

ट्रैक रिलेइंग ट्रेन (मॉडल-P811S) (मशीन सं. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442 हेतु मान्य) मशीन की क्रिटिकल स्पेयर्स पार्ट सूची का मसौदा ओ. ई. एम. द्वारा प्रदत्त स्पेयर्स पार्ट कैटलॉग एवम् फील्ड में कार्यरत कर्मचारियों के सुझावों के आधार पर तैयार कर पत्र सं. TM/HM/TRT/Pt-III दिनांक 29.08.2023 द्वारा 30 दिनों के लिए और अनंतिम क्रिटिकल स्पेयर्स पार्ट सूची पत्र सं. TM/HM/TRT/Pt-III दिनांक 01.01.2024 द्वारा 15 दिनों के लिए सभी क्षेत्रीय रेलवे, सी.पी.ओ.एच. एवं भा.रे.रे.प.म.प्र.के. को जारी किया गया था। परन्तु क्षेत्रीय रेलवे, सी.पी.ओ.एच. एवं भा.रे.रे.प.म.प्र.के. से अभी तक कोई भी सुझाव/टिप्पणी प्राप्त नहीं हुई है। अब क्रिटिकल स्पेयर्स पार्ट सूची अंतिम रूप से तैयार किया गया है, जिसकी एक प्रति आपके सूचनार्थ एवम् फील्ड में कार्यरत कर्मचारियों के मार्गदर्शन हेतु संलग्न है। यद्यपि उपरोक्त सूची बनाते समय सभी सावधानियां बरती गई हैं, फिर भी यदि कोई त्रुटि हों तो कृपया सुधार हेतु अपने सुझावों/टिप्पणियों को ई-मेल/पत्राचार द्वारा अधोहस्ताक्षरी को अवश्य भेजे।

On the basis of spare parts catalogue provided by OEM and suggestions received from field staff, draft critical spare part list of Track Relaying Train (TRT) (Model-P811S) (applicable for machine no. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442) had been prepared and circulated to all zonal railways, C.P.O.Hs & IRTMTC vide letter no, TM/HM/TRT/Pt.-III dated: 29.08.2023 for 30 days and further provisional critical spare part list circulated vide letter no, TM/HM/TRT/Pt.-III dated: 01.01.2024 for 15 days. No comments have been received from zonal railways, C.P.O.Hs & IRTMTC till date. Now the critical spare part list has been finalized. A copy of the same is enclosed herewith for your kind information and guidance of the machine staff working in the field. Although every care has been taken during preparation of above said list, however the discrepancy noticed, if any, may kindly be brought to the knowledge of the undersigned for further improvement by e-mail/post.

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संलग्नक : उपरोक्त।

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(अमर देव मौर्य)

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भारत सरकार
Government of India

रेल मंत्रालय
Ministry of Railways

**Critical Spare Parts List
for
Track Relaying Train-Harsco
(TRT) (Model-P811S)**

(Applicable for machine no. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442)



**Report No. TM-CSP
(Feb-2024)**

**Research Designs & Standards Organisation
Manak Nagar, Lucknow-226011**

PREFACE

For maintenance of any machine, timely availability of spare parts and consumables play an important role. To keep the machine in sound condition, first and foremost prerequisite is availability of spares and consumables. As there are thousands of items/spares which are required for maintenance of machine, it is very much required to identify critical spares which are vital and in turn, to ensure availability of such spares well within the scheduled time.

On the basis of experience of Track machine working on Indian Railways, a need for this list was felt. Accordingly, provisional critical spare part for TRT (HRSCO) (Model-P811S) (Applicable for machine no. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442) has been prepared. It may be noted that this is the list of spares required for the normal maintenance of machine for one year only and does not include the spares required for IOH, POH and other special maintenance. Requirement for such schedule maintenance (IOH/POH) and emergency maintenance/attention may be assessed separately on need basis by zonal railways itself.

(A.D.Maurya)
Director/Track Machine-III
RDSO/Lucknow-226011

February-2024

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SITE - At machine

STMD - Satellite depot

ZTMD - Zonal depot

TRT

ENGINE

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
A. Main engine-Cummins engine model QSX-15, 450 HP @ 2100 rpm							
1.	Self-starter	5284086	1	6	0.2*	0	0
2.	Alternator 24 V DC	5035151	1	6	0	0	0.2*
3.	Air cleaner (Primary element)	0-3610008-0-01	2	1	1	0.5*	0.5*
4.	Air cleaner (Safety element)	0-3610008-0-02	2	1	1	0.5*	0.5*
5.	lube oil	Shell Rotella T SAE 15W40 with XLA or Equivalent	84 lts	0.2	164** lts	164** lts	164** lts
6.	Lube oil filter	4008708	4	0.2	4	8	8
7.	Coolant	Fleetguard Glycol base 50/50	65	2	20	16	16
8.	V-belt ribbed	-	-	0.5	2	1	1
9.	Fuel Filter	5036752	1	0.2	1	2	2
10.	Fuel filter element	A4656Y11	1	0.2	1	2	2
11.	Water filter	4008709	1	1	0	0	1
12.	Engine air brake hose-8	0-3305003-0-03	30	2	5	5	5
13.	SAE ‘O’ ring-37/Flare 45	0-3304115-0-05	2	2	0	0	1
14.	Rubber Mount	253438-1	2	2	0	0	1
B. Emergency Engine HATZ Diesel 1D81Z, 15HP @ 3600 rpm							
1.	Self-starter	-	1	6	0.2*	0	0
2.	lube oil	Shell Rotella T SAE 15W40/10W40	1.9	0.2	3	3	6
3.	Fuel filter	-	-	-	-	-	-
4.	Pump	0-3310001-0-00	1	6	0	0	0.2*
5.	Alternator 24 V 70 AMP	0-3183002-0-01	1	6	0	0	0.2*
6.	V-belt	0-3622018-0-23	1	0.5	1	0	1
7.	Battery 12 V (Motor car)	0-318-1001-0-01	1	2	0	0	0.5*
8.	Switch	164855	1	6	0	0	0.2*
C. Gantry-Engine-Ashok Leyland model- H6E TICRC3R323, 225 hp at 2300 rpm							
1.	Self-starter	3935328	1	6	0	0	0.2*
2.	Alternator	3935326	1	6	0	0	0.2*
3.	Filter, fuel	5036752	1	0.2	1	2	2
4.	Fuel Filter (Primary)	1001091	1	0.2	1	2	2

* Minimum quantity 1 ** 84 lts X 5 = 420 lts, plus 06 lts/month for top up = 420+72=492 ltrs.

TRT**ENGINE**

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
5.	Fuel Filter (Secondary)	1001093	1	0.2	1	2	2
6.	lube oil	Shell Rotella T SAE 15W40/10W40	2 lts	0.2	3	3	6
7.	Pump	0-3310001-0-00	1	6	0	0	0.2*
8.	Alternator	0-3183002-0-01	1	6	0	0	0.2*
9.	V-belt	0-3622018-0-23	1	0.5	1	0	1
10.	Battery 12 V (Motor car)	0-318-1001-0-01	1	2	0	0	0.5*
11.	Switch	164855	1	6	0	0	0.2*
12.	Air cleaner element outer	3814312	1	1	0.5*	0	0.5*
13.	Air cleaner element inner	3814313	1	1	0.5*	0	0.5*
14.	Rubber Mount	2543	2	2	0	0	1

* Minimum quantity 1

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
A. PUMP							
1.	Pump, Variable. Volume Piston	5005833	2	6	0	0	0.3*
2.	Single Gear Pump	A3448Y05	1	6	0	0	0.2*
3.	Pump, Press Comp	C5912Y01	1	6	0	0	0.2*
4.	Pump Drive Bracket	A9997YAA	2	6	0	0	0.3*
5.	Hyd Pump Drive	0-3524003-0-02	1	6	0	0	0.2*
6.	Drive Pump - 4 Pad Funk 594P 1:1	0-3524018-0-01	1	6	0	0	0.2*
7.	Drive Pump - 2 Pad Funk 0.79:1	0-3524003-0-02	1	6	0	0	0.2*
8.	Emergency Pump Plumbing	5028260	1	6	0	0	0.2*
9.	Pump, Vickers 2520 series	5031130	1	6	0	0	0.2*
10.	Hyd. Pump P14 Emergency Pump	0-3310001-0-00	1	6	0	0	0.2*
11.	Piston Pump	D4346Y22	4	6	0	0	0.6*
12.	Internal Gear Pump	R902077997	1	6	0	0	0.2*
B. MOTOR							
1.	Gear Motor	0-3321020-0-01	2	6	0	0	0.3*
2.	Fixed displacement hyd motor	0-3321014-0-05	2	6	0	0	0.3*
3.	Fixed displacement hyd motor	0-3321014-0-06	1	6	0	0	0.2*
4.	Hydraulic motor	0-33224001-0-01	1	6	0	0	0.2*
5.	Hydraulic motor	0-3324001-0-01	4	6	0	0	0.6*
6.	Hydraulic radial motor	0-3324000-0-01	1	6	0	0	0.2*
C. CYLINDER							
1.	3” Bore hydraulic cylinder assembly	0-3371026-0-03	2	6	0	0	0.3*
2.	3” Bore hydraulic cylinder assembly	0-3371026-0-13	1	6	0	0	0.2*
3.	3" Bore hydraulic cylinder assembly	0-3371051-0-02	2	6	0	0	0.3*
4.	2.5” Hydraulic cylinder assembly	0-3371036-0-04	2	6	0	0	0.3*
5.	Hydraulic 2 ½ Bore 1 ½ Rod Turn	B6423XAA	4	6	0	0	0.6*
6.	Hydraulic 2 ½ cylinder assembly	B5703XAT	1	6	0	0	0.2*
7.	Hydraulic cylinder	0-3371036-0-02	1	6	0	0	0.2*

* Minimum quantity 1

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
8.	5" Bore L/O Cylinder	A9422XAB	2	6	0	0	0.3*
9.	Cylinder, HYD, 2.50 X 1.50 X 14.00	B5703XAA	12	6	1	0	1
10.	HYCL 2 1/2 HYD. Cylinder	B5703XAB	12	6	1	0	1
11.	Hyd. Cylinder	0-3371068-0-01	4	6	0	0	0.6*
12.	Hyd. Cylinder	0-3371026-0-05	1	6	0	0	0.2*
13.	4" Bore HYDR. Cyl. Assy	0-3371037-0-03	2	6	0	0	0.3*
14.	HYCL 4" Bore Hyd Cyl. Assy	5030785	2	6	0	0	0.3*
15.	4" Bore Hydraulic Cyl. Assy	0-3371021-0-02	1	6	0	0	0.2*
16.	Hydraulic Cylinder 3" Bore	0-3371026-0-15	1	6	0	0	0.2*
17.	Cylinder, Hyd, 2.50 X 1.50 X 14.00	5040727	1	6	0	0	0.2*
18.	Hydraulic Cylinder	5040660	1	6	0	0	0.2*
19.	Hydraulic Cylinder	0-3371013-0-17	1	6	0	0	0.2*
20.	Hycl Hydraulic Cylinder	X769978ZB	2	6	0	0	0.3*
21.	Cylinder, Hyd, 2.5x1.5x25.94"	5029484	2	6	0	0	0.3*
22.	Hyd Cylinder - Horizontal	5028019	2	6	0	0	0.3*
23.	Hyd Cylinder - Vertical	5028004	2	6	0	0	0.3*
24.	Hyd Cyl Assy, 2" Bore	A0688XAG	1	6	0	0	0.2*
25.	Hyd Cylinder	0-3371013-0-03	1	6	0	0	0.2*
26.	Hycl 5" Bore Hyd Cyl Assy	0-3371045-0-02	1	6	0	0	0.2*
27.	Hyd. Cyl. Assy	B2341XAA	1	6	0	0	0.2*
28.	OT Pick up Frame Cylinder	0-3371013-0-16	2	6	0	0	0.3*
29.	OT Pick up Frame Cylinder	0-3371013-0-15	2	6	0	0	0.3*
30.	HYCL Hyd Cylinder	X780132ZM	4	6	0	0	0.6*
31.	L/S Actuator	0-3119010-0-01	1	6	0	0	0.2*
32.	1 ½ Bore Hyd Cyl Assy	0-3371011-0-03	2	6	0	0	0.3*
33.	2" Bore Hydr. Cyl. Assy	0-3371035-0-02	1	6	0	0	0.2*
34.	Hyd Cyl Assy	0-3371035-0-03	3	6	0	0	0.5*
35.	HYCL Hyd Cylinder	0-3371013-0-10	2	6	0	0	0.3*
36.	2 ½ Hyd Cyl Assy	4011333	2	6	0	0	0.3*

* Minimum quantity 1

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
D. SEAL KIT							
1.	Seal kit – 2 ½” cylinder	B5428YAA	23	2	3	3	6
2.	Seal kit (UCC-15)	0-3371036-0-01	1	2	0	0	0.5*
3.	Seal kit	0-3371026-0-01	2	2	0	0	1
4.	Shaft Seal	0-3656000-0-21	2	2	0	0	1
5.	Shaft Seal	0-3656000-0-09	2	2	0	0	1
6.	Seal kit L/O Cylinder	A9422XAA	2	2	0	0	1
7.	Seal Kit	0-3379002-0-01	4	2	1	0	1
8.	Seal Kit	0-3379004-0-01	4	2	1	0	1
9.	Shaft Seal	0-3656000-0-04	4	2	1	0	1
10.	Shaft Seal	0-3656000-0-03	2	2	0	0	1
11.	Shaft Seal	0-3656000-0-02	2	2	0	0	1
12.	Shaft Seal	0-3656000-0-37	1	2	0	0	0.5*
13.	Shaft Seal	0-3656000-0-44	2	2	0	0	1
14.	Shaft Seal	0-3656000-0-45	1	2	0	0	0.5*
15.	Seal Kit	X769978ZA	2	2	0	0	1
16.	Seal Kit	5021221	3	2	1	0	0.5*
17.	Seal kit	0-3371013-0-01	7	2	1	1	2
18.	Seal kit	A0689YAA	1	2	0	0	0.5*
19.	Seal kit	0-3329000-0-04	1	2	0	0	0.2*
20.	Seal Kit	0-3371026-0-01	2	2	0	0	1
21.	Seal Kit	0-3371045-0-01	1	2	0	0	0.5*
22.	Seal Kit	0-3379004-0-02	1	2	0	0	0.5*
23.	Seal Kit	X780132ZA	2	2	0	0	1
24.	Seal Kit	0-3371011-0-01	2	2	0	0	1
25.	Seal Kit	0-3371035-0-01	3	2	1	0	0.5*
26.	Seal Kit Internal Gear Pump	R902002411	1	2	0	0	0.5*
27.	Snap Ring	L426027	1	2	0	0	0.5*
28.	O-ring	B5392Y03	12	2	2	2	2
29.	O-ring	L410486	1	2	0	0	0.5*
30.	O-ring	L40069	1	2	0	0	0.5*

* Minimum quantity 1

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
31.	O-ring	L411591	1	2	0	0	0.5*
32.	O-ring	L410333	1	2	0	0	0.5*
33.	O-ring	L410121	2	2	0	0	1
34.	Retaining Ring	0-3013000-0-40	12	2	2	2	2
35.	O-Ring Boss Ftg, 20ORBx12JIC	0-3304028-0-35	3	2	1	0	0.5*
36.	O-Ring Boss Plug	0-3304203-0-13	1	2	0	0	0.5*
E. VALVE							
1.	Valve	L410606	2	6	0	0	0.3*
2.	Dual relief valve	0-3334031-0-01	1	6	0	0	0.2*
3.	Check Valve, ¾ NPTF	L41600	1	6	0	0	0.2*
4.	Valve (30 Truss)	03333010-0-05	1	6	0	0	0.2*
5.	Hyd valve	A1215Y09	1	6	0	0	0.2*
6.	Pressure reducing valve	C0613Y11	1	6	0	0	0.2*
7.	Relief valve	L411213	2	6	0	0	0.3*
8.	Relief valve	0-3334011-0-03	1	6	0	0	0.2*
9.	1 1/2 Check valve	L425375	2	6	0	0	0.3*
10.	Valve Assembly, P811	5027480	1	6	0	0	0.2*
11.	Valve Assembly, P811	5027520	3	6	0	0	0.5*
12.	Valve Assembly	5026233	4	6	0	0	0.6*
13.	Valve Assembly, P811	5028001	1	6	0	0	0.2*
14.	Valve Assembly, P811	5027476	1	6	0	0	0.2*
15.	Valve Assembly, P811	5027465	2	6	0	0	0.3*
16.	Valve Assembly, P811	5027522	1	6	0	0	0.2*
17.	Valve Assembly, P811	5027521	1	6	0	0	0.2*
18.	Valve Assembly, P811	5029296	1	6	0	0	0.2*
19.	Valve Assembly, P811	5029353	3	6	0	0	0.5*
20.	Valve Assembly	5033318	1	6	0	0	0.2*
21.	Valve Assembly, P811	5033880	1	6	0	0	0.2*
22.	Valve Assembly, P811	5028051	1	6	0	0	0.2*
23.	Valve Assembly, P811	5029317	1	6	0	0	0.2*

* Minimum quantity 1

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
24.	Valve Assembly, P811	5029315	1	6	0	0	0.2*
25.	Valve Assembly, P811S	5029318	1	6	0	0	0.2*
26.	Valve Assembly, P811S	5120110	1	6	0	0	0.2*
27.	Valve Assembly, P811	5029325	1	6	0	0	0.2*
28.	Valve Assembly, P811	5029326	1	6	0	0	0.2*
29.	Valve Assembly, P811	5029328	1	6	0	0	0.2*
30.	Valve Assembly	5029330	1	6	0	0	0.2*
31.	Valve Assembly, P811S	5029332	1	6	0	0	0.2*
32.	Valve Assembly	5029333	1	6	0	0	0.2*
33.	Valve Assembly, P811	5029351	1	6	0	0	0.2*
34.	Valve Assembly, P811	5029353	3	6	0	0	0.5*
35.	Relief Valve	409445	1	6	0	0	0.2*
36.	Valve Assembly, P811	5028049	3	6	0	0	0.5*
37.	Valve Assembly, P811	5029334	1	6	0	0	0.2*
38.	Valve Assembly, P811	5029324	1	6	0	0	0.2*
F. Filter							
1.	High pressure filter	0-3353001-0-04	4	0.2	4	8	8
2.	Return Filter	Z762544-001	3	0.2	3	6	6
G. Hose & Fittings							
1.	Hi-Impulse Hi-Press hose	158055-4	300	6	10	10	30
2.	Hi-Impulse Hi-Press hose	158055-6	600	6	20	20	60
3.	Hi-Impulse Hi-Press hose	158055-8	600	6	20	20	60
4.	Hi-Impulse Hi-Press hose	158055-12	610	6	20	20	61
5.	Hi-Impulse Hi-Press hose	158055-16	696	6	20	20	76
6.	Hi-Impulse Hi-Press hose	158055-20	99	6	4	4	9
7.	3/4 MP Hose	L411422	1	6	0	0	0.2*
8.	ORFS Hyd fitting	D4355P83	15	6	1	1	1
9.	3/4 ORB X 1" ORFS	D6598P93	12	6	1	0	1
10.	Saddle fitting 37° male	0-3304128-0-26	9	6	1	0	0.5*

* Minimum quantity 1

TRT
HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
11.	Adopter, SAE O-ring-20M/16F	F015749	4	6	0	0	0.6*
12.	1" ORFS swivel 90°	D6598P91	10	6	1	0	0.6*
13.	37° male saddle fitting	0-3304128-0-16	30	6	1	1	3
14.	1" ORFS bulkhead straight	G0351P07	51	6	2	2	5
15.	Hose end, 16 ORFS X 16 hose STR	G0351P41	80	6	3	3	7
16.	Hose end, 16 hose X- 16 C61, ZP	5114451	4	6	0	0	0.6*
17.	Hose end, 90- 16 hose X- 16 C61,ZP	5114452	4	6	0	0	0.6*
18.	Hose end, -20 hose X-20 C62, ZP	5114453	2	6	0	0	0.3*
19.	Hose fitting,-20 CD 62 90 DG	5063494	2	6	0	0	0.3*
20.	Hyd gauge	0-3307004-0-07	4	6	0	0	0.6*
21.	DC-ELB90 16X16 SAE	F014252	8	6	1	0	0.3*
22.	Elbow, 90, -12MB X -8FP, SS	5120132	1	6	0	0	0.2*
23.	DC-TEE 16X16FSX16	F017637	7	6	0	0	1
24.	Bulkhead Run TEE, 37 DEG JIC, -6	150122-5	6	6	0	0	1
25.	DC-Adapter	F022637	4	6	0	0	0.6*
26.	DC-Adapter	F022226	3	6	0	0	0.5*
27.	Adapter	F024719	1	6	0	0	0.2*
28.	Junction Adapter	0-3305026-0-10	6	6	0	0	1
29.	Junction Adapter	0-3305026-0-09	8	6	1	0	0.3*
30.	Junction Adapter	0-3305022-0-14	1	6	0	0	0.2*
31.	Adapter Straight, 6FSX4FNPT	F40311	4	6	0	0	0.6*
32.	Gauge, Hyd 0-5K PSI, 0-350 bar	0-3307004-0-09	4	6	0	0	0.6*
33.	Flow meter	0-3307013-0-05	4	6	0	0	0.6*
34.	DC-ELB90 6X4 SAE	F021122	4	6	0	0	0.6*
35.	1" ORFS swivel 90°	D6598P91	20	6	1	1	1
36.	Adapter-red bush 20 o'ring X 16 O'ring	153883-21	4	6	0	0	0.6*
37.	1 ORB BH X ORFS	G0351P39	4	6	0	0	0.6*
38.	Hose assembly	175045	1	6	0	0	0.2*
39.	Hose assembly	176368	1	6	0	0	0.2*

* Minimum quantity 1

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
40.	Hose assembly	176093	7	6	0	0	1
41.	Hose assembly	190775	2	6	0	0	0.3*
42.	Hose assembly	189331	1	6	0	0	0.2*
43.	Hose assembly	180387	1	6	0	0	0.2*
44.	Hose assembly	178006	1	6	0	0	0.2*
45.	Hose assembly	175004	5	6	0	0	1
46.	Silicone Hose Clamp	0-3012000-0-21	1	6	0	0	0.2*
47.	Adapter-24 NPT X -24 JIC	407979	2	6	0	0	0.3*
48.	ORFS hydraulic fitting	D4355P76	10	6	1	0	0.6*
49.	DC-hydraulic fitting	F008014	79	6	3	3	7
50.	Hose Assembly	175440	2	6	0	0	0.3*
51.	Hose Assembly	5028202	2	6	0	0	0.3*
52.	-4 ORB/JIC	F014734	2	6	0	0	0.3*
53.	Hose, Hi-Impulse Hi. Press	158055-4	100	6	4	4	9
54.	Hose, Hi-Impulse Hi. Press	158055-6	200	6	8	8	19
55.	Hose, Hi-Impulse Hi. Press	158055-8	200	6	8	8	19
56.	Hose, Hi-Impulse Hi. Press	158055-12	610	6	20	20	61
57.	Hose, Hi-Impulse Hi. Press	158055-16	232	6	10	10	19
58.	Hose, Hi-Impulse Hi. Press	158055-20	33	6	2	2	2
59.	Hose End,-16 Hose X -20 C61,ZP	5114450	4	6	0	0	0.6*
60.	Hose End,-20 Hose X -24 C61,ZP	5114449	4	6	0	0	0.6*
61.	-20 X 90 DEG JIC Elbow	0-3304119-0-10	1	6	0	0	0.2*
62.	DC-ELB90 12X10SAE	F015194	1	6	0	0	0.2*
63.	37 Male STR Tube Adapter	0-3304122-0-25	2	6	0	0	0.3*
64.	Fitting	0-3304128-0-12	2	6	0	0	0.3*
65.	ELB90 16X16FS	F014240	3	6	0	0	0.5*
66.	Fitting	B2610Y01	16	6	1	1	1
H. OIL COOLER							
1.	Oil cooler	X780072-001	1	6	0	0	0.2*
2.	Oil cooler	0-3302005-0-01	2	6	0	0	0.3*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
A. Nut & Bolt							
1.	Lock Nut, Nylon, M24x3.0	252050-15	16	6	1	1	1
2.	Nut- Hex, Coarse, Class 8, M6x1.0 Zinc	252028-30	8	6	1	0	0.2*
3.	Nut- Hex Jam, .44-20	150964-8	2	6	0	0	0.3*
4.	Lock Nut-Coarse, M12x1.75	252050-9	2	6	0	0	0.3*
5.	Nut- Grade 9 , Metal Top Lock ,1-1/8" -12 Unf	L426014	1	6	0	0	0.2*
6.	3/8-16 Hex Nut Gr8	0-3011002-0-07	4	6	0	0	06*
7.	Lock Nut- Coarse, M 16x2.0	252050-11	87	6	5	5	5
8.	Nut- Grade 9 , Metal Top Lock, 7/8 -14 UNF	0-3011001-0-37	1	6	0	0	0.2*
9.	Nut, castle Hex, 1-14, GD5, ZP	F006657	4	6	0	0	0.6*
10.	DC-Hex Nut ½-13 GR5 ZP	F003598	8	6	1	0	0.3*
11.	SKT HD CS M5-0.8 X 130 Class12.9	0-3023000-0-15	8	6	1	0	0.3*
12.	M12 X 1.75 Locknut DIN 985 CLA	0-3022002-0-10	20	6	1	1	1
13.	Nut, Castle Hex, 1-1/2-12, GD5, ZP	F005611	2	6	0	0	0.3*
14.	Hex half nut 5.8-11 GR 5 ZP	F023297	6	6	0	0	1
15.	Nut, Hex, 5/8-11, GD5, ZP	F007023	2	6	0	0	0.3*
16.	DC-Hex Flg Nut 5/16-18 GR5 ZP	F040088	2	6	0	0	0.3*
17.	Nut Elastic Stop Use F014487	L40767	10	6	1	0	0.6*
18.	DC-3/8-16 Elastic Stop Nut *	F015922	18	6	1	1	1
19.	Nut- Grade 5 Nylon Lock , 3/4 -10 UNC	F013633	2	6	0	0	0.3*
20.	1/4-20 ESNA Nut	L41173	1	6	0	0	0.2*
21.	10-24 Hex Nuts	A0055006	4	6	0	0	0.6*
22.	3/4-10 Nut Elastic	L40108	6	6	0	0	1
23.	Hex Jam Nut 3/4-10 GR5 ZP	F003400	4	6	0	0	0.6*
24.	1 ½ -6 Jam Nut	A0056031	4	6	0	0	0.6*
25.	Hex Half Nut 5.8-11 GR 5 ZP	F023297	8	6	1	0	0.3*
26.	Nut- Hex, Coarse, Class 8, M5x0.8 Plain	252028-4	4	6	0	0	0.6*
27.	Lock Nut, 5/16-18, Heavy, Thin	L40388	1700	6	50	50	184
28.	DC-Hex Nut M 16x2.0 CL8 ZP	408956	2	6	0	0	0.3*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
29.	M12 Hex Nut	A0069039	4	6	0	0	0.6*
30.	Dc-Hex Flg Nut M10x1.5 ZP	F041154	6	6	0	0	1
31.	Nut Elastic Stop	L40387	4	6	0	0	0.6*
32.	5/8-11 Hex Jam Nuts use F023297	A0056010	2	6	0	0	0.5*
33.	Nut, Hex, 3/4-16, GD5, ZP	F005170	12	6	1	0	1
34.	Nut, Hex, 1-8, GD5, ZP	F020616	12	6	1	0	1
35.	Nut, Flex Lock, 1-14,Cad	153140-1614	4	6	0	0	0.6*
36.	1-14 Slotted Hex Nuts	A0057011	12	6	1	0	1
37.	1 1/2-12 Slotted Hex Nuts	A0057015	2	6	0	0	0.3*
38.	1-1/2" Custom Nut	5034501	1	6	0	0	0.2*
39.	Nut- Grade 5 Hex Slotted, 1-1/4" -12 UNF	A0057019	2	6	0	0	0.3*
40.	Nut- Hex Jam, 1.00-14	150964-20	8	6	1	0	0.3*
41.	Nut- Grade 5 Nylon Lock , 5/8" -18 UNF	F013239	16	6			
42.	Esna Nut 5/8-11 (1/2)	L41032	4	6	0	0	0.6*
43.	Nut,Nylon Lock,5/8-11,Ne,ZP	F012452	10	6	1	0	0.6*
44.	Nut, Nylon, 1/2-13, GR 5, ZP	F013500	7	6	0	0	1
45.	Nut, Nylon, 7/16-14, GR 5, ZP	F015718	8	6	1	0	0.3*
46.	Hex Lock Nut 9/16-18 ZP	F016007	4	6	0	0	0.2*
47.	M24 Hex Nut	0-3022001-0-05	4	6	0	0	0.3*
48.	Lock Nut, 1/2" UNC	L41523	17	6	1	1	1
49.	Hex Nut M14x2.0 Cl8 ZP	408955	4	6	0	0	0.6*
50.	Dc-Hex Flg Nut 3/8-16 Gr5 ZP	F023225	2	6	0	0	0.3*
51.	Nut, Hex, 3/4-10, Gd5, ZP	F013695	6	6	0	0	1
52.	M16 X 2.0 Hex Nut Use	A0069058	10	6	1	0	0.6*
53.	Nut, Hex, 5/16-18, GD5, ZP	F007021	8	6	1	0	0.3*
54.	Nut- Grade 5 Nylon Lock , 6-32 UNC	0-3011001-0-85	4	6	0	0	0.6*
55.	Nut- Grade 5 Nylon Lock , 10-32 UNF	0-3011001-0-82	2	6	0	0	0.3*
56.	Hex Jam Nut 1"-8 GR 5 ZP	F001506	1	6	0	0	0.2*
57.	Nut- Grade 5 Nylon Lock , 1" -8 UNC	145446	20	6	1	1	1
58.	Tee Head Bolt	0-1100004-0-54	4	6	0	0	0.6*
59.	Hex Head Bolt	0-1100004-0-59	4	6	0	0	0.6*

* Minimum quantity 1

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MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
60.	Hex Head Bolt	0-1100004-0-67	2	6	0	0	0.3*
61.	5/8 X 2 Shoulder Bolt	Z752500-037	2	6	0	0	0.3*
62.	Bolt	TZ767816-031	6	6	0	0	1
63.	M16x2.0x180 mm HHCS DIN 933	TY766547-100	2	6	0	0	0.3*
64.	M16x2.0x140 Mm HHCS GR 8.8	TY766547-073	4	6	0	0	0.6*
65.	DC-STR 4x8 NPT	F022260	14	6	1	0	1
66.	DC-STR 16x12 NPT	F012899	1	6	0	0	0.2*
67.	DC-STR 4x2 NPT L	701571003	3	6	0	0	0.5*
68.	DC-STR 8x8 NPT	F012027	7	6	0	0	1
69.	DC-PLG 8 NPT SKT	F010568	15	6	1	1	0.5*
70.	DC-STR 8 NPT x 8 NPT	F011243	1	6	0	0	0.2*
71.	Hex HD CS M10x1.5x140 Cl8.8 ZP	F041276	6	6	0	0	1
72.	M 16x 2.0 X65 mm H HCS	TY766547-050	8	6	1	0	0.3*
73.	Hex HD CS M12x1.75x60 Cl8.8 ZP	A0069047	20	6	1	1	1
74.	Dc-1/2-13 X 1 1/2 HH Cs ZP GR8	F018650	1	6	0	0	0.2*
75.	Hex HD CS M 16x2.0x70 CL8.8 ZP	181213	32	6	1	2	2
76.	Hex HD CS M 16x2.0x60 CL8.8 ZP	181212	27	6	0.5*	2	2
77.	SQ HD CUP PT SS ½-13x5	F024857	2	6	0	0	0.3*
78.	HHCSGR 81/2-13x2 1/2 U/F018811	A0038040	10	6	1	0	0.6*
79.	DC-3/8 X 1/2 SOC HD Cup PT	F001078	5	6	0	0	1
80.	5/8-11 X 4-1/2 HHCS Full THD	A0036330	2	6	0	0	0.3*
81.	1/4 NTP X 90 Deg	F013685	2	6	0	0	0.3*
82.	3/8-16 X 3/4 HHCS Use F002887	A0036061	5	6	0	0	1
83.	DC-STR 4NPT x4 NPT	F011074	2	6	0	0	0.3*
84.	DC-STR 4 x 4NPT *	F012318	1	6	0	0	0.2*
85.	DC-STR 12X12 SAE L	F023112	1	6	0	0	0.2*
86.	Bolt	TZ767816-031	12	6	1	0	1
87.	U-Bolt, 5/8-11, 2.50	0-3012009-0-04	1	6	0	0	0.2*
88.	Bolt, HHCS, 3/4-10 X 2,GR5,ZP	A0036218	2	6	0	0	0.3*
89.	DC-Hex HD CS 1/2-13 X 2 1/4 GR	F018861	2	6	0	0	0.3*
90.	DC-3/8-16x1/2 SOC HD Cup PT	F001078	4	6	0	0	0.6*

* Minimum quantity 1

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MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
91.	DC-5/8-11 X 2 HHCS GR8	F020460	8	6	1	0	0.3*
92.	1/2-13 X 3/4 HHCS Use F005423	A0036120	76	6	3	3	7
93.	BTN HD SKT CS M6-1.0 X 16 Class 10.9	252193-30	44	6	2	2	3
94.	DC-1/2-13 X 1 1/4 SKT FLT HD C	F014208	16	6	1	1	1
95.	Hex HD CS M16X2.00X60 CL8.8 ZP	A0069068	6	6	0	0	1
96.	Screw-HHC, .75-16 X 4.50 LG	250010-437	8	6	1	0	0.3*
97.	Screw -HHC, .25-20 X .88 LG	250010-429	12	6	1	0	1
98.	Screw -HHC, GRADE 8, 1.00-8 X 4.00 LG	252272-519	12	6	1	0	1
99.	Screw HHC, 1/2-13 x 1½ SAE J429, GR5, ZP	F001090	8	6	1	0	0.3*
100.	Screw -SHC, .50-13 X 1.50 LG	3282	2	6	0	0	0.3*
101.	DC-HHD Cap SCR7/8-9X2GR5	A0036332	8	6	1	0	0.3*
102.	Screw -SHC, .75-10 X 3.50 LG	7975	4	6	0	0	0.6*
103.	DC-Hex HD CAP SCR 1/2-13X3 1/3	F003523	18	6	1	1	1
104.	Hex Head Cap Screw	187193	14	6	1	1	0.3*
105.	Hex HD Cap SCR 3/8-16X1/2 GR5	F009221	4	6	0	0	0.6*
106.	DC- Hex HD Cap SCR 1/2-13X 1-1/2	F001090	18	6	1	1	1
107.	DC- Hex HD Cap SCR 5/8-11X1 3/4	F005192	6	6	0	0	1
108.	DC- Hex HD Cap SCR 1/2-13X1 3/4	F001095	12	6	1	0	1
109.	Screw -HHC, .56-12 X 4.00 LG	250010-291	4	6	0	0	0.6*
110.	Hex HD Cap SCR 7/16-14X1 1/4 G	F003912	8	6	1	0	0.3*
111.	DC- Hex HD Cap SCR 1/2-13X3 1/3	F003523	16	6	1	1	0.6*
112.	DC- Hex HD Cap SCR 5/16-18X3/3	F001489	6	6	0	0	1
113.	Screw-HHC, .50-13 X .88 LG	250010-218	4	6	0	0	0.6*
114.	Screw-HHC, Coarse, M14x2.0 F X 45 Mm Lg	250202-248	4	6	0	0	0.6*
115.	Screw-MACH, RD HD, #10-32 X 1.	250048-217	2	6	0	0	0.3*
116.	Hex SKT Shoulder Screw 5/8X6	Z752500-041	1	6	0	0	0.2*
117.	DC-HHD Cap SCR3/8-16X2-1/2GR5	F023421	2	6	0	0	0.3*
118.	Hex HD Cap SCR 3/4-16 X 4 GR5	F014677	4	6	0	0	0.6*
119.	DC-Hex HD Cap SCR 3/4-10X2 3/4	F003772	6	6	0	0	1

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
120.	Screw-HHC, Coarse, M24X3.0 P X 100mm LG	250202-462	8	6	1	0	0.3*
121.	DC-HHD Cap SCR5/8-11X3-1/2GR5	F001107	2	6	0	0	0.3*
122.	Screw-HHC, Coarse, M16X2.0 F X 45 MM LG	250202-211	4	6	0	0	0.6*
123.	DC-HHD Cap SCR1-8X3-1/2GR5	F013139	16	6	1	1	0.6*
124.	DC-HHD Cap SCR1/4-20X1GR5	F009825	8	6	1	0	0.3*
125.	HEX HD Cap Screw 5/16 18 X 3/4	A0036032	12	6	1	0	1
126.	1/2-13 X 8 Cap Screw	A0036141	18	6	1	1	1
127.	Hex Head Cap Screw	187193	12	6	1	0	1
128.	DC-HHD Cap SCR5/8-11X1-1/2GR5	F003566	16	6	1	1	0.6*
129.	DC-Hex HD Cap SCR 5/8-11X2 GR5	F001304	3	6	0	0	0.5*
130.	Cap Screw	0-1100004-0-60	10	6	1	0	0.6*
131.	1/2 X 1 1/4 Cap Screw (RCO)	0-1100004-0-57	18	6	1	1	1
132.	Screw-HHC, Coarse, M12x1.75 Px60mm LG	250202-220	2	6	0	0	0.3*
133.	Cap screw 3/4 -10x2 1/4	A0036219	25	6	1	1	2
134.	10-24X3/8 NYLSHSSCR Cup	A0062066	1	6	0	0	0.2*
135.	M10 X 1.50 X 20 mm HHC SCR	TY766547-006	24	6	1	1	2
136.	M12 X 1.75 X 20 mm Hex HD SCR	TY766547-036	14	6	1	1	0.3*
137.	DC- Hex HD Cap SCR 3/8-16X2 1/3	F002760	4	6	0	0	0.6*
138.	DC- Hex HD Cap SCR 1/2-13x1 1/2	F001090	38	6	2	2	3
139.	DC- Hex HD Cap SCR 1/2-13x1 1/4	F001539	34	6	2	2	2
140.	Hex HD CS 3/4-10 X 2 1/2 GR8 ZP	F020458	8	6	1	0	0.3*
141.	Hex HD Cap SCR 3/4-10 X 6 GR5	F015541	2	6	0	0	0.3*
142.	DC-Hex HD Cap SCR 1/2-13X1 1/3	F001539	8	6	1	0	0.3*
143.	SKT HD CS .375-16 X 1	F010324	4	6	0	0	0.6*
144.	DC-HHD Cap SCR5/16-18X1-3/4GR5	F023409	2	6	0	0	0.3*
145.	Hex HD Cap SCR 3/4-10X4 1/2 GR	F008247	2	6	0	0	0.3*
146.	1/4-20X1 1/2 HH Cap Screw	A0036007	1	6	0	0	0.2*
147.	5/16-18 Screw Pointed	G3095YAA	40	6	2	2	3
148.	DC-Hex HD Cap SCR 1/2-13X1 GR5	F003136	8	6	1	0	0.3*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
149.	DC-Hex HD Cap SCR 1/2-13x1 1/2	F001090	2	6	0	0	0.3*
150.	1/4-20 X 3/4 HH Cap Screw Use	A0036003	4	6	0	0	0.6*
151.	DC-Hex HD Cap SCR 5/8-11X1 3/4	F005192	20	6	1	0.3	2
152.	Screw-HHC, Grade 8, .75-10 X 3.00 LG	252272-404	6	6	0	0	1
153.	3/4-10X3 1/4 H/H Cap Screw USE	A0036213	2	6	0	0	0.3*
154.	3/8 -16x1 ½ SHSSCR Cup	A0062031	5	6	0	0	1
155.	1/2 -13x1 ½ SHSS Cup	A0062039	12	6	1	0	1
156.	1/2 -13x ½ SHSS Cup PT	A0062037	16	6	1	1	0.6*
157.	5/8-11X7 H HD C/SCR F/TH	A0036197	8	6	1	0	0.3*
158.	Screw-SOC HD Cap, M16X2.0 F x 55 mm LG	252674-313	16	6	1	1	0.6*
159.	Screw-HHC, Coarse, M12x1.75 P X 60 MM LG	250202-220	3	6	0	0	0.5*
160.	M12X1.75X45 H/H Cap Screw	A0069014	6	6	0	0	1
161.	5/8-11X1 3/8 H/H Cap SCR	A0036195	4	6	0	0	0.6*
162.	HHCS 3/8-16 X 1 1/1	A0036382	2	6	0	0	0.3*
163.	HHCS 3/8-16X 1" GR5	F001007	4	6	0	0	0.6*
164.	SKT HD CS .75-16 X 2	2012941	12	6	1	0	1
165.	5/8-11 X 1 FLSHCS GR8	A0042031	16	6	1	1	0.6*
166.	DC-FLT HD SKT CS 5/8-11X3-1/2 GRF835	F040240	8	6	1	0	0.3*
167.	DC-FLT HD SKT CS 5/8-11X1-3/4 GRF835	F015473	8	6	1	0	0.3*
B. WASHER							
1.	Lock Washer 1", medium ZP	A0061019	4	6	0	0	0.6*
2.	Washer, FLAT, 1", Hardened	150973-11	6	6	0	0	1
3.	Washer, LOCK, 5/8", Medium, ZP	F001103	6	6	0	0	1
4.	Lock washer ¾ HVY	A0061024	25	6	1	1	2
5.	3/8" Spring Lock Washer	F023661	2	6	0	0	0.3*
6.	M 16 DIN 125A Plain Washer	A0069048	64	6	3	2	3
7.	5/8 MED PL Washer	A0059007	4	6	0	0	0.6*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
8.	5/8 MED Lock Washer	A0061016	4	6	0	0	0.6*
9.	1 ¼ PL Washer	A0059011	5	6	0	0	1
10.	Hardened Washer	F024602	6	6	0	0	1
11.	Piston Washer	Z769822-001	1	6	0	0	0.2*
12.	Lock washer ½", Medium ZP	F001075	38	6	2	2	2
13.	DC-Wrought Washer 1/4 Z.P. *	F001106	1	6	0	0	0.2*
14.	RD HD MS #10-24X3/4 ZP	F009591	4	6	0	0	0.6*
15.	Lock Washer	F025837	4	6	0	0	0.6*
16.	Lock Washer, 3/8 SAE MED PL	F001025	8	6	1	0	0.3*
17.	1/2 Heavy Lock Washer	A0061023	16	6	1	1	0.6*
18.	M12 DIN 125A PL Washer	A0069041	4	6	0	0	0.6*
19.	M12 Lock Washer	0-3020000-0-04	4	6	0	0	0.6*
20.	DC-ELB90 8X8 SAE	F013701	2	6	0	0	0.3*
21.	Hardened Washer	F024602	2	6	0	0	0.3*
22.	1 MED PL Washer USE F013412	A0059010	8	6	1	0	0.3*
23.	M16 DIN 127A Spring Washer	A0069049	30	6	1	1	3
24.	HHCS 3/8-16 UNC-2A X 6 1/1	F022525	4	6	0	0	0.6*
25.	3/8 REG PL Washer	A0059003	4	6	0	0	0.6*
26.	3/8 Heavy Lock Washer	A0061011	4	6	0	0	0.6*
27.	1/4 MED Lock Washer	A0061008	4	6	0	0	0.6*
28.	5/8 Heavy Lock Washer	A0061017	4	6	0	0	0.6*
29.	Washer, Lock, 1/2", Medium, ZP	F001075	8	6	1	0	0.3*
30.	Washer, Lock, 3/4", Medium, ZP	F001354	2	6	0	0	0.3*
31.	Washer-Beveled-3/4"	F004421K	8	6	1	0	0.3*
32.	Washer, Lock, 1", Heavy, YZP	150990-21	8	6	1	0	0.3*
33.	Washer, Lock, 1/2", Heavy, YZP	A0061023	2	6	0	0	0.3*
34.	Washer	F020919	8	6	1	0	0.3*
35.	Washer, Flat, 1-1/8", USS, ZP	A0059023	4	6	0	0	0.6*
36.	Washer, Flat, 1/2", USS, ZP	F001267	8	6	1	0	0.3*
37.	Washer, Lock, 5/16", Medium, ZP	F001100	8	6	1	0	0.3*
38.	Washer, Flat, #6, SAE, ZP	150987-7	4	6	0	0	0.6*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
39.	Washer, Lock, M24, DIN127	0-3020000-0-06	8	6	1	0	0.3*
40.	Washer, Flat, #10, SAE, ZP	A0060006	2	6	0	0	0.3*
41.	Washer, Flat, 1-1/2", USS, ZP	A0059012	5	6	0	0	1
42.	Washer, Flat, 2", USS, ZP	A0059014	2	6	0	0	0.3*
43.	Lock washer 5/16	A0061009	12	6	1	0	1
44.	16 Lock Washer	F009546	4	6	0	0	0.6*
45.	Washer, Flat, M24, DIN125, ZP	252029-28	8	6	1	0	0.3*
46.	1 Med PL Washer use F013412	A0059010	16	6	1	1	0.6*
C. CHAIN							
1.	Conveyor Chain OT 1	A9403T05	1	2	0	0	0.5*
2.	Conveyor roller chain OT 2	A9402T01	2	2	0	0	1
3.	Chain, 1" roller	0-1302082-0-22	1	2	0	0	0.5*
4.	Chain	0-1302082-0-34	2	2	0	0	1
5.	Chain	0-1302082-0-32	1	2	0	0	0.5*
6.	Chain Use F026227	L40177	4	2	1	0	1
7.	Chain	A0192T74	2	2	0	0	1
8.	Chain	0-3621000-0-11	2	2	0	0	1
9.	Chain	0-3621000-0-10	2	2	0	0	1
10.	Chain	0-3032000-0-34	1	2	0	0	0.5*
11.	Chain	A0192T75	4	2	1	0	1
12.	Chain	A0192T01	2	2	0	0	1
13.	NT -1 Conveyor Chain	A9403T01	2	2	0	0	1
14.	NT-2 Conveyor Chain	A9403T02	2	2	0	0	1
15.	Conveyor Chain	A9403T06	3	2	1	0	0.5*
16.	Conveyor Chain	A9472VAB	1	2	0	0	0.5*
17.	Chain, 1/2 HT	0-3040010-0-09	30	2	1	1	3
18.	Chain	L422774	12	2	2	2	2
19.	Chain (1/2x48)	L410986	119	2	10	10	40
20.	Chain	A0192T13	2	2	0	0	1
21.	Chain	5033606	2	2	0	0	1

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
D. PIN							
1.	Pin	Y691328-168	4	2	1	0	1
2.	Pin	Y691328-073	3	2	1	0	0.5
3.	Pin	Y691328-171	3	2	1	0	0.5*
4.	Pin	0-1406052-0-01	1	2	0	0	0.5*
5.	Pin	Y691328-190	5	2	1	1	0.5*
6.	Pin	A0973T51	2	2	0	0	1
7.	Pin	A0973T52	5	2	1	1	0.5*
8.	Pin	A0973T56	1	2	0	0	0.5*
9.	Pin	A0973T55	4	2	1	0	1
10.	Pin	A0973T53	1	2	0	0	0.5*
11.	Pin	Y691328-125	3	2	1	0	0.5*
12.	Pin	A0973T54	1	2	0	0	0.5*
13.	Pin	A0973T57	1	2	0	0	0.5*
14.	Pin	0-1200184-0-09	2	2	0	0	1
15.	Pin 01	H3386Y04	4	2	1	0	1
16.	Pin 01	H3386Y06	2	2	0	0	1
17.	Pin	Y691328-124	4	2	1	0	1
18.	Pin	0-2403668-0-01	2	2	0	0	1
19.	Spring Pin 3/8 X 3	F019405	3	2	1	0	0.5*
20.	Pin 1” dia	H3506Y01	4	2	1	0	1
21.	Pin 1 ¼ ” dia	H3506Y02	4	2	1	0	1
22.	Pin 1 ½ ” dia	H3506Y03	2	2	0	0	1
23.	Pin	0-2100092-0-06	2	2	0	0	1
24.	Roll Pin (1 3/8)	L40416	2	2	0	0	1
25.	Pin (1 1/2 DIA)	B5391T57	2	2	0	0	1
26.	Lock Pin	A3643Y01	2	2	0	0	1
27.	Pin-Dowel	0-3015001-0-35	2	2	0	0	1
28.	Pin-Get	G2858Y01	2	2	0	0	1
29.	Pin	Y691328-142	2	2	0	0	1

* Minimum quantity 1

TRT
MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
30.	Pin	Y691328-131	42	2	2	2	3
31.	Pin	Y691328-070	2	2	0	0	1
32.	Pin	Y691328-003	2	2	0	0	1
33.	Pin	Y691328-008	2	2	0	0	1
34.	Pin	Y691328-114	2	2	0	0	1
35.	Pin	Y691328-106	8	2	1	1	2
36.	Pin	Y691328-122	4	2	1	0	1
37.	Roller pin	5116489	1	2	0	0	0.5*
38.	1/4 X 2 Cotter Pin Use F001547	A0068030	8	2	1	1	2
39.	1/4 X 1 1/2 C Pin USE F002733	A0068029	12	2	2	2	2
40.	DC-1/8 X 1 1/2 Cotter Pin	F003141	4	2	1	0	1
41.	Crawler Track Pin	C2517Y01	296	2	24	24	100
42.	1/4 x 2 Cotter pin use F001547	A0068030	16	2	2	2	4
E. SHIM							
1.	Shim	0-1404303-0-02	60	2	5	5	50
2.	Shim	A0215T67	15	2	2	2	4
3.	Shim Plate,6X3X.25 Thick	5116490	6	2	1	1	1
4.	Shim	B2850Y01	6	2	1	1	1
5.	Shim	B2850Y02	2	2	0	0	1
F. SPROCKET							
1.	Sprocket	0-3625005-0-14	1	3	0	0	0.3*
2.	Sprocket	0-3625005-0-15	1	3	0	0	0.3*
3.	Sprocket P811	0-2300224-0-01	8	3	1	1	1
4.	Idler Sprocket	0-2300223-0-01	8	3	1	1	1
5.	Sprocket Rework	0-1306509-0-01	1	3	0	0	0.3*
6.	Sprocket Rework	0-1306509-0-02	1	3	0	0	0.3*
7.	Sprocket	B7944X01	4	6	0	0	0.6*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
G. RUBBER PAD							
1.	Rubber pad	H0403Y02	80	2	10	10	20
2.	Rubber pad (P-811 UNREL)	0-2300202-0-01	822	2	50	50	311
3.	Pad, Tapped, M6 X 1.0	5096422	8	2	1	1	2
H. ROLLER							
4.	Roller Clamp 1 MODIF	B1739XAA	1	2	0	0	0.5*
5.	Roller	A9374Y02	3	2	1	0	0.5*
6.	Roller (RCO)	0-1200189-0-01	4	2	1	0	1
7.	Roller	A9373Y01	3	2	1	0	0.5*
8.	Roller	A9371Y02	4	2	1	0	1
9.	Roller (P811)	0-1200165-0-02	2	2	0	0	1
10.	Roller	0-1200167-0-01	2	2	0	0	1
11.	Roller (RCO)	0-1400475-0-01	8	2	1	1	2
12.	Bushing Roller	B8542Y01	2	2	0	0	1
13.	Bushing Roller	B8542Y02	2	2	0	0	1
14.	Roller	0-3653000-0-01	55	2	7	7	14
15.	Roller	0-2301663-0-02	4	2	1	0	1
16.	Bushing, Roller	B8541Y01	8	2	1	1	2
17.	Roller #5	G2418Y01	2	2	0	0	1
I. SHAFT							
1.	Disconnect - Drive Shaft	0-1201503-0-01	1	6	0	0	0.2*
2.	Shaft (Beam Car, Rail Handling)	A9398Y01	1	6	0	0	0.2*
3.	Shaft	A9376Y01	2	6	0	0	0.3*
4.	Spline Shaft	C0994Y01	1	6	0	0	0.2*
5.	Roller Shaft	H3399x01	6	6	0	0	1
6.	Drive Shaft Assembly	0-3521006-0-09	2	6	0	0	0.3*
7.	Drive Shaft Assembly	0-3521007-0-02	2	6	0	0	0.3*
8.	Shaft	A9375X04	4	6	0	0	0.6*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
9.	Shaft	H3589Y01	2	6	0	0	0.3*
10.	Shaft	A9692X01	1	6	0	0	0.2*
11.	Direct drive shaft (RCO)	0-3520002-0-01	2	6	0	0	0.3*
12.	Drive shaft assembly (Cordon shaft)	0-3521006-0-10	1	6	0	0	0.2*
13.	Drive shaft assembly (Cordon shaft)	5041742	1	6	0	0	0.2*
14.	Drive shaft assembly (Cordon shaft)	0-3521007-0-06	1	6	0	0	0.2*
J. BEARING							
1.	Bearing, Spherical Tapered bore	0-3652042-0-01	8	6	1	0	0.3*
2.	Bearing, Flanged 4 hole	0-3652010-0-02	8	6	1	0	0.3*
3.	Bearing, Flanged 4 hole	0-3652010-0-01	14	6	1	1	0.3*
4.	Ball Bearing 50 mm bore	0-3652008-0-02	20	6	1	1	1
5.	Bearing (H.D) Use F040356	L420159	2	6	0	0	0.3*
6.	Ball Bearing	0-3652019-0-01	2	6	0	0	0.3*
7.	Bearing Tapered Roller 55 ASSY	0-3652017-0-01	2	6	0	0	0.3*
8.	Bearing Roller - NEEDLE	0-3652018-0-01	2	6	0	0	0.3*
9.	Roller Bearing, AAR Class E (6 X 11)	0-3652033-0-03	2	6	0	0	0.3*
10.	Bearing, Spherical, Tapered Bore	0-3652042-0-01	4	6	0	0	0.6*
11.	Spherical Bearing	0-3652001-0-13	12	6	1	0	1
12.	Spherical Bearing	0-3652001-0-10	1	6	0	0	0.2*
13.	Tapered Bearing	0-3652007-0-03	10	6	0.5*	0	0.5*
14.	Bearing	L40213	24	6	1	1	0.7*
15.	Tapered Roller Bearing	0-3652007-0-02	4	6	0	0	0.3*
16.	Inside Ball Bearing	L40389	16	6	1	1	0.7*
17.	Plain Bearing	L422823	2	6	0	0	0.3*
18.	Snap Ring Type Ball Bearing	L422822	2	6	0	0	0.3*
19.	Splined Sleeve	0-1300985-0-01	1	6	0	0	0.2*
20.	Bearing,SPH,1.5 ID X 2.44 OD	F016962	1	6	0	0	0.2*
21.	Ball BRG Cage (RCO)	0-1300291-0-01	2	6	0	0	0.3*
22.	Bearing, Spherical Roller	0-3652002-0-01	4	6	0	0	0.6*
23.	Self Lubricating Bearing 70 mm bore (hyd)	A1058Y35	1	6	0	0	0.2*

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
24.	Self lubricating bearing 1 inch Bore (hyd)	A1058Y34	1	6	0	0	0.2*
25.	two hole flange bearing	0-3652028-0-07	2	6	0	0	0.3*
26.	Bearing, Oil Impregnated	0-3652004-0-16	4	6	0	0	0.6*
27.	Bearing	L41071	6	6	0	0	1
28.	Roller Bearing	91514.070.125.1	2	6	0	0	0.3*
29.	Roller Bearing	91514.100.165.0	1	6	0	0	0.2*
30.	Combination Bearing	A9804T01	8	6	1	0	0.2*
31.	Combination Bearing	A9804T02	4	6	0	0	0.6*
32.	Bearing, Spherical Roller	0-3652011-0-06	1	6	0	0	0.2*
K. GENERAL							
1.	Rail Clamp 1	0-2010069-0-06	2	2	0	0	1
2.	Plow blade upper WLDT	H6913XAA	1	3	0	0	0.2*
3.	Plow blade lower WLDT	H6914XAA	1	3	0	0	0.2*
4.	Plow blade upper WLDT	H6913XAB	1	3	0	0	0.2*
5.	Plow blade lower WLDT	H6914XAB	1	3	0	0	0.2*
6.	Plow wear plate	H6920Y01	2	3	0	0	0.6*
7.	Wear plate	0-1402291-0-03	4	3	1	0	0.3*
8.	SHSS NYL Cup USE ½ -13x3/4	A0062094	8	3	1	1	0.6*
9.	Master Link	0-3621005-0-02	2	3	1	0	0.5*
10.	Chain Link	4-3621009-0-01	12	3	1	1	2
11.	1/4-20X1/2 SHSS Cup NYLK	A0062070	1	3	0	0	0.3*
12.	Link	A9666X01	3	3	0	0	1
13.	Link	A9613X01	1	3	0	0	0.3*
14.	Ball	0-3652016-0-02	8	3	1	1	0.6*
15.	Nose Assembly	F015456	2	3	0	0	0.6*
16.	DC-TEE 12X12FSX12	F015536	7	3	1	1	0.3*
17.	Straight Grease Nipple: DIA1/4in NPT	L26028	2	2	0.5*	0	0.5*
18.	Grease Hose	0-3602000-0-02	16	2	2	2	4
19.	DC-ELB90 4X4NPT	F011937	4	6	0	0	0.6*
20.	DC-ELB90 4X4FS	F015085	5	6	0	0	1

* Minimum quantity 1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
21.	DC-STR 6X6NPT	F012056	1	6	0	0	0.2*
22.	DC-Male ELB90 4X2NPT	F010677	6	6	0	0	1
23.	DC-TEE 4X4X4 BH	F019395	1	6	0	0	0.2*
24.	DC-TEE 12X12FSX12	F015536	1	6	0	0	0.2*
25.	DC-TEE 8X8FSX8	F015219	1	6	0	0	0.2*
26.	TEE	F019290	1	6	0	0	0.2*
27.	DC-TEE 8X8X8	F014864	1	6	0	0	0.2*
28.	Spring	L410465	4	6	0	0	0.6*
29.	Spring	L410848	2	6	0	0	0.3*
30.	Crawler Track	C2516X01B	296	6	10	10	29
31.	DC-ELB90 12X12FS	F013990	2	6	0	0	0.3*
32.	DC-ELB90 8X8FS	F013517	1	6	0	0	0.2*
33.	Yoke	B0203WAA	1	6	0	0	0.2*
34.	Yoke	B0045Y01	2	6	0	0	0.3*
L. GANTRY							
1.	Toothed wheel Big	6947.118.000.00	8	6	0	0	1
2.	Toothed wheel Small	0.1300402-0-01	8	6	0	0	1
3.	Dead wan valve gantry	DS102ND0126P-6PB-10-2-6P,12V	4	6	0	0	0.6*
4.	Jaw cylinder	0-3371001-0-04	2	6	0	0	0.3*
5.	Front and drive shaft assly	DWG.NO.Y752787V	2	6	0	0	0.3*
6.	Cable Assly (Wire rope)	0-1300433-0-11	2	6	0	0	0.3*
7.	Dead main Valve for Gantry	DS102ND012LP-6PB-10-2-6p, 12V	4	6	0	0	0.6*
8.	Bridge	0-3652011-0-01	8	6	0	0	1
9.	Cable Assly	0-1300433-0-07	2	6	0	0	0.3*
10.	Rope Pulley Bridge	0-3652002-0-01	36	6	2	2	2
11.	Radiator for Gantry	0-3516007-0-03	2	6	0	0	0.3*
12.	Relay gantry 12 VDC	L425637	1	2	0	0	0.5*
13.	Horn for gantry 12V	L40849	1	2	0	0	0.5*
14.	Hyd. Cyl. For rope & pulley (gantry)	0-337100-0-04	1	6	0	0	0.2*
15.	Suction strainer (Gantry)	0-3351002-0-03	1	1	0.5*	0	0.5*
16.	Suction strainer (Gantry)	0-3351002-0-04	1	1	0.5*	0	0.5*

* Minimum quantity 1

TRT

ELECTRICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
1.	Relay power dist	0-3122011-0-01	3	2	1	0	0.5*
2.	11 pin relay 24V /DC	D0650Y08	5	2	1	1	0.5*
3.	Plug-In Relay, 24V	D0650Y18	3	2	1	0	0.5*
4.	Circuit Breaker 1 Pole, 40 AMP	5022146	1	6	0	0	0.2*
5.	Circuit Breaker, 30 AMP	0-3105006-0-00	3	6	0	0	0.5*
6.	Circuit Breaker, 20 AMP	0-3105007-0-00	6	6	0	0	1
7.	Circuit Breaker 1 Pole, 50 AMP	5022147	2	6	0	0	0.3*
8.	Circuit Breaker 1 Pole, 15 AMP	5022143	8	6	1	0	0.3*
9.	Circuit Breaker 1 Pole, 20 AMP	5022144	4	6	0	0	0.6*
10.	Circuit Breaker 1 Pole, 5 AMP	5022139	1	6	0	0	0.2*
11.	Circuit Breaker 1 Pole, 8 AMP	5022140	4	6	0	0	0.6*
12.	Circuit Breaker	5026254	1	6	0	0	0.2*
13.	Circuit Breaker 1 Pole, 40 AMP	5022146	1	6	0	0	0.2*
14.	Time Cube, On Delay	D0650Y21	1	6	0	0	0.2*
15.	Time Cube, 0.2S TO 30 Min	D0650Y14	1	6	0	0	0.2*
16.	Timer, Dual Time Range	5126600	1	6	0	0	0.2*
17.	IND Light	0-3104000-0-09	17	2	2	2	5
18.	Selector switch	0-3112001-0-02	6	6	0	0	1
19.	Limit Switch	0-3119006-0-01	4	2	0.5*	0	0.5*
20.	Limit Switch	164853	2	2	0	0	1
21.	Push Button	L40802	2	6	0	0	0.3*
22.	Lighted Push Button	0-3117004-0-01	3	6	0	0	0.5*
23.	Lighted Push Button Lens Red	0-3110000-0-01	1	6	0	0	0.2*
24.	Lighted Push Button Lens Green	0-3110000-0-02	2	6	0	0	0.3*
25.	Operator Switch	F040119	4	6	0	0	0.6*
26.	Switch, two-way	L410952	16	6	1	1	1
27.	Switch	164824	1	6	0	0	0.2*
28.	Push Button Switch	F013478K	1	6	0	0	0.2*
29.	Encoder , 240 PPR, M12	5001513	1	6	0	0	0.2*
30.	Cable	5098043	4	2	1	0	1

* Minimum quantity 1

TRT**ELECTRICAL**

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
31.	Dome Light, 24V DC	0-2301261-0-01	4	2	1	0	1
32.	Dome Light-12V	L422288	4	2	1	0	1
33.	Bulb	0-3101012-0-00	4	2	1	0	1
34.	Fan	L425984	6	6	0	0	1
35.	Voltage regulator	3402823	1	6	0	0	0.2*
36.	Relay, Power Contactor	172164	4	2	1	0	1
37.	Gauge, Diagnostic	3423018	1	6	0	0	0.2*

* Minimum quantity 1

TRT

PNEUMATIC

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
1.	Air valve	G2243Y02	4	6	0	0	0.6*
2.	Brake cylinder 8 ½ X 12 ABU	0-1100004-0-20	4	6	0	0	0.6*
3.	½" ID hose	F012620	2	6	0	0	0.3*
4.	Hose clamp ¼" -3/8"	0-3012000-0-01	2	6	0	0	0.3*
5.	Brake shoe	0-3677005-0-01	12	0.5	6	6	12
6.	Pneumatic CYL 5" Bore	5030727	2	6	0	0	0.3*
7.	Air Cylinder - 2" Bore	0-3470006-0-05	4	6	0	0	0.6*
8.	J-1 Relay Valve (RCO)	0-1100004-0-04	1	2	0	0	0.5*
9.	Double Check Valve (RCO)	0-1100004-0-05	1	6	0	0	0.2*
10.	1 1/4" E.M. Valve (RCO)	0-1100004-0-13	4	6	0	0	0.6*
11.	A-1 Red Relay Valve	0-1100004-0-15	2	6	0	0	0.3*
12.	Angle Cock, 1-1/4"	0-1100004-0-19	1	6	0	0	0.2*
13.	3/4 SOC WLD Union	0-3304067-0-06	2	6	0	0	0.3*
14.	Coupling, 3/4 NPT, SCH40	L424045	29	6	1	1	3
15.	1/8 PIPE Coupling	F001433	16	6	1	1	1
16.	1 1/4" Coupling	L424055	1	6	0	0	0.2*
17.	Elbow	L424051	38	6	2	2	2
18.	DC-ELB90 12NPTX12FPT LP	F001339	2	6	0	0	0.3*
19.	DC-ELB90 6X6FS	F012808	2	6	0	0	0.3*
20.	45° Elbow, 1-1/4 IN, NPT	L424052	2	6	0	0	0.3*
21.	DC- Elbow 90 6X6NPT EL	701573004	1	6			
22.	Pipe TEE,-20 SWLD, 3000LB, CS	L424053	2	6	0	0	0.3*
23.	3/4 Gasket	0-1100004-0-48	9	2	2	1	2
24.	3/8 Gasket	0-1100004-0-50	8	2	1	1	2
25.	1" Gasket (RCO)	0-1100004-0-53	14	2	2	2	3
26.	Gasket	0-1100004-0-66	4	2	1	0	1
27.	Gasket	0-1100004-0-63	6	2	1	1	1
28.	1/4 X 1 1/4 X 1" TEE R	0-1100004-0-56	6	6	0	0	1
29.	3/4 X 3/4 X 3/8 Flanged TEE	0-1100004-0-58	4	6	0	0	0.6*
30.	Coupling, SCH80, -8 SWLD, STL	L424040	9	6	1	0	0.5*
31.	Air Dryer, Membrane Assembly	4011080	1	1	0	0	1

* Minimum quantity 1

TRT

PNEUMATIC

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
32.	Hose End, -12 JIC SW	0-3304135-0-12	18	6	1	1	1
33.	Hose End, -8 JIC SW	0-3304135-0-07	8	6	1	0	0.3*
34.	Hose End, -20 JIC SW	0-3304135-0-15	2	6	0	0	0.3*
35.	Hose End, -4 JIC SW	0-3304135-0-01	2	6	0	0	0.3*
36.	Hose End, -16 JIC SW STR	0-3304135-0-14	6	6	0	0	1
37.	3 1/2 Single Air CYL. (RCO)	0-1100004-0-16	2	6	0	0	0.3*
38.	3 1/2" Duplex Air (RCO)	0-1100004-0-17	1	6	0	0	0.2*
39.	J-1 Safety Valve (RCO)	0-1100004-0-25	1	6	0	0	0.2*
40.	DC-STR 8X6NPT	F011170	1	6	0	0	0.2*
41.	Check Valve 1" (RCO)	0-1100004-0-24	2	6	0	0	0.3*
42.	Gate Valve 1.25	252063-5	1	6	0	0	0.2*
43.	Valve 3 Way Ball	4011086	1	6	0	0	0.2*
44.	Filter	0-1100004-0-26	1	0.5	0	0	0.2*
45.	STR SCKT Fitting	251697-4	3	6	0	0	0.5*
46.	Fitting	L411364	2	6	0	0	0.3*
47.	Cartridge, Primary Filter	4011082	1	0.5	1	0	1
48.	Cartridge, Secondary Filter	4011083	1	0.5	1	0	1
49.	Adapter, -20MP X -20FJS, SS	5041400	4	6	0	0	0.6*
50.	Adapter , -20MP X -20MJ, SS	5041407	1	6	0	0	0.2*
51.	Adapter,90, -20MP X -20MJ, SS	5041408	1	6	0	0	0.2*
52.	Adapter	B4986T01	1	6	0	0	0.2*
53.	Adapter	F022915	1	6	0	0	0.2*
54.	Adapter-STRT BLKHD 6 JIC X 6 JIC	150131-5	8	6	1	0	0.3*
55.	Adapter-STRT BLKHD 8 JIC X 8 JIC	150131-6	1	6	0	0	0.2*
56.	Adapter-90 DEG 2 FNPT X 2 MNPT	150123-1	9	6	1	0	0.5*
57.	Air Valve	G2243Y02	2	6	0	0	0.3*
58.	DC-STR 4X8NPT	F022260	5	6	0	0	0.8*
59.	TEE,-8FJS X -8MJ X -8MJ	F015219	1	6	0	0	0.2*
60.	DC-TEE 12X12X12FS	F014779	1	6	0	0	0.2*
61.	1/2" Quick Disconnect SO	L425315	1	6	0.2*	0	0
62.	37 DEG Male Saddle Fitting	0-3304128-0-11	4	6	0	0	0.6*

* Minimum quantity 1

TRT

PNEUMATIC

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
63.	Fitting	0-3304128-0-03	1	6	0	0	0.2*
64.	Air Valve	G2243Y02	2	6	0	0	0.3*
65.	Adapter-STR Long 2 NPT X 4 JIC	151719-1	1	6	0	0	0.2*
66.	Adapter 1/8 MP-1/4 JIC	F013193	2	6	0	0	0.3*
67.	DC-Adapter	F040257	3	6	0	0	0.5*
68.	Adapter	F023087	1	6	0	0	0.2*
69.	DC-Adapter	F021974	1	6	0	0	0.2*
70.	Push/Pull Air Valve	D4741Y01	1	6	0	0	0.2*
71.	Hose Assembly	175036	5	2	1	1	0.5*
72.	Hose Assembly	175578	1	2	0	0	0.5*
73.	Hose Assembly	175006	3	2	1	0	0.5*
74.	Hose Assembly	174876	1	2	0	0	0.5*
75.	Hose Assembly	183605	1	2	0	0	0.5*
76.	Hose Assembly	174779	2	2	0	0	1
77.	Hose Assembly	174730	1	2	0	0	0.5*
78.	Hose Assembly	175003	3	2	1	0	0.5*
79.	Hose Assembly	175040	1	2	0	0	0.5*
80.	Hose Assembly	174879	1	2	0	0	0.5*
81.	Hose Assembly	175005	1	2	0	0	0.5*
82.	Hose Assembly	175042	2	2	0	0	1
83.	Hose Assembly	178010	1	2	0	0	0.5*
84.	Hose Assembly	178330	1	2	0	0	0.5*
85.	Hose Assembly	174780	1	2	0	0	0.5*
86.	Hose Assembly	175056	2	2	0	0	1
87.	Hose Assembly	178253	1	2	0	0	0.5*
88.	Hose Assembly	175489	1	2	0	0	0.5*
89.	Hose Assembly	185173	1	2	0	0	0.5*
90.	Hose Assembly	174731	2	2	0	0	1
91.	Pneumatic Cylinder	Y767203-001	2	6	0	0	0.3*
92.	Pneumatic Cylinder	A3651Y06	2	6	0	0	0.3*
93.	Pneumatic Cylinder	4005116	1	6	0	0	0.2*

* Minimum quantity 1

TRT**PNEUMATIC**

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
94.	Pneumatic Cylinder Double Acting	A3651Y13	2	6	0	0	0.3*
95.	Auto Brake Valve	0-1100004-0-12	1	6	0	0	0.2*
96.	SA26 IND BK Valve (RCO)	0-1100004-0-11	1	6	0	0	0.2*
97.	Air Horn	Z780309Z	2	6	0	0	0.3*
98.	Humphrey Valve	502022000	1	6	0	0	0.2*
99.	3/8 Socket Weld TEE (RCO)	0-3304065-0-01	4	6	0	0	0.6*
100.	M12 X 1.75 X 25 mm Flat Socket	A0069208	16	6	1	1	0.6*
101.	3/4 SOC Weld SCH 40 Elbow 45	L424042	3	6	0	0	0.5*
102.	1/2 Threaded Union (RCO)	0-3425000-0-01	2	6	0	0	0.3*
103.	1" Threaded Union	0-3425000-0-02	4	6	0	0	0.6*
104.	3/4 Gasket (RCO)	0-1100004-0-48	8	2	1	1	2
105.	Air Dryer	0-3436001-0-04	1	3	0	0	0.3*

* Minimum quantity 1

TRT**GENERAL**

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
1.	Magnetic Suction Strainer	0-3351002-0-05	4	0.2	4	4	12
2.	Pillow block	L426219	1	2	0	0	0.5*
3.	10 micron HYD return filter	L425299	1	6	0	0	0.2*
4.	Accumulator	03301001-0-02	1	6	0	0	0.2*
5.	Tip	0-3032000-0-07	1	2	0	0	0.5*
6.	Meter connecting link	0-3621002-0-01	1	2	0	0	0.5*
7.	Con. Roller chain ex.s	0-3621003-0-03	1	2	0	0	0.5*
8.	Conveyor roller chain P811	0-3621005-0-03	1	2	0	0	0.5*
9.	End yoke	0-3627003-0-01	1	6	0	0	0.2*
10.	Hand lever	0-3677006-0-01	1	6	0	0	0.2*
11.	Half link	H3557W01	1	2	0	0	0.5*
12.	Cable assy (rope wire assy)	0-1300433-0-01	1	6	0	0	0.2*
13.	Desiccant cart refill	0-3436004-0-04	1	2	0	0	0.5*
14.	Manifold DOS Inline, AL	0-3360012-0-02	1	2	0	0	0.5*
15.	The rod kit (9 sect)	0-3339028-0-09	1	2	0	0	0.5*
16.	Dust Excluder	0-3350004-0-09	1	3	0	0	0.3*
17.	Restrictors	0-3335026-0-02	1	2	0	0	0.5*

* Minimum quantity 1

Note: Any other items which the Zonal Railways decide as per condition and safe operation of machine shall be kept on the machine.

LIST OF SAFETY TOOLS

S.No.	Description	Quantity
1	Red hand signal flags	2 Nos
2	Green hand signal flag	1 No
3	Tri- colour hand signal lamps/LED torch	2 Nos
4	Chain With Padlock	2 Nos.
5	Fire Extinguisher (each cabin) (valid up to)	1 No
6	Hooter (manual/remote Controlled)	2 Nos.
7	Jack 50 t Traverse type*	2 Nos.
8	Wooden Blocks off sizes	10 Nos.
9	Crow bars	4 Nos.
10	Hydraulic hand pump	1 No.
11	Emergency pneumatic/hydraulic hose off size suiting to different machines (complete with end fitting)	-
12	Machine specific equipment, if any.	-
13	Fog signals (detonators) in a tin case	10 Nos.
14	Working time table of section where machine is working with up-to-date amendment slips	1 copy
15	G & SR book with up to date amendment slips	1 copy
16	4 cell flasher light LED lamp cum flasher light (rechargeable)	1 No.
17	Banner flags	2 Nos.
18	First aid Box (valid up to)	1 No
19	Skids	10 Nos.
20	Safety Helmet	For all Staff
21	Protection clothing , safety shoes and safety gloves	For all Staff
22	Walkie talkie with frequency of SM, Guard and Loco Pilots	2 Nos.
23	Internal communication system Walkie talkie and/or head mounting system	-
24	Track machine manual with up to date correction slips	1 No.
25	Accident manual with latest correction slips	1 No
26	Tail Lamp	1 No

Note-* Proposal is sent to Railway board vide letter no. TM/HM/1, VOL-2 dated 22/08/2019 for approval of jack (machine wise).

ACKNOWLEDGEMENT

Following officers and staff have made their valuable contributions in preparation of Critical spare parts list of **Track Relaying Train (Harsco) (P811S)** (machine no. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442):

RAILWAYS

Shri	Mohammad Rafique	SSE/TM/SECR/BSP
Shri	Sunil	SSE/TM/NR/NDLS

RDSO

Shri	Rakesh Tiwari	ARE/TM
Shri	Prem Kumar	SSRE/TM
Shri	A.K.Srivastava	SSE/TM
Shri	Ravi Kumar	SSRE/TM