

Appendix A

Parts Data Validation for Maximo Migrations

Almost all CCG ships (not including DFO ships prior to 1995 merger) built in the early to '80's to '90's were catalogued to the NATO standard. Somewhere over the last 25 years the flow of cataloguing information from the ships to DND or vice versa stopped. Almost every vessel database contains a large percentage of temporary NATO stock numbers. This indicates that the cataloguing data was gathered but the process was never completed. The original cataloguing data does not appear to be currently available from DND. Re-cataloguing the number of items in the databases would be economically unfeasible.

To characterize the data (as we see it here) for the 1100's and a few other vessels:

1. Data is incomplete. No stock number, part number, catalogue number, manufacturer or supplier identified.
2. Parent Equipment in most instances has not been identified (Main Engines, Ship Service Generators etc.). This makes it impossible to build a Bill of Materials (BOM) from the available data.
3. The data contains a number of items that we don't consider 'Engineering Spares' (clothing, general stores etc.)
and these will be removed and referred to Fleet for their action.
4. Almost all databases contain some junk, mystery or incomprehensible data. See example below.
5. Items have been catalogued and properly identified will be removed, verified, vetted for existing records and uploaded into Maximo as is.
6. In some instances NSN's exist for an item with no record in Cdn or US or EU Catalogues. (i.e. 2815011932769)

1) Short Description

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In order to preserve functionality for onboard use the Short Description field will remain relatively unchanged unless there are obvious errors.

For example: Top – existing, bottom - corrected

2815011932767	CAMSHAFT SECTION, GEAR END, CYL 7 & 8 - RIGHT SIDE
2815011932767	CAM, CONTROL // GEAR END, CYL 7 & 8 - RIGHT SIDE

1. Item Sort Description field after the NNN delineate with '_//_' *Note: _underscore indicates a space*.

Junk, Mystery, Incomprehensible data

PART ID	PART DESC	PART SUPP PART	PART SUPP PART	PART SUPP ID	SUPP DESC
1940BDC000172	A	3858457	3858457	<:\	**UNKNOWN**
2815004066599	REGULATOR/REGULATEUR			UNKNOWN	UNKNOWN
2815010736135	SEAT/SIEGE			UNKNOWN	UNKNOWN

Validating the remaining items

What is required is not really a 'data cleansing' exercise but an item validation before uploading items into Maximo.

2) Example 1: NSN assigned

PART ID	PART DESC	SUPP PART NO	SUPP PART DES	SUPP ID	SUPP DESC
2.81501E+12	RING,BAFFLE.DEFLECTOR,CRES,2.000 IN ID,2.187 IN	2322652-2	2322652	50024	FM ALCO POWER INC

Step 1. Search existing catalogues for item 2815011088902, CGCM, UsDoD Cat, EU Cat.

No result for search of CGCM

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Search Result from US DoD Cat.

NSN	DESC	P/N	NCAGE	SUPPLIER NAME
2.91001E+12	RING BAFFLE	2322652-2	50024	COLTEC INDUSTRIES INC.
2.91001E+12	RING BAFFLE	2322653	50024	COLTEC INDUSTRIES INC.

NSN has been updated for this item. Suspect NATO Group and Class 2815 was a typo and should have been entered as 2910.

Subsequent search of the CGCM with correct NSN results in item being identified correctly as well as more vendors & valid part numbers.

NSN	DESC	P/N	NCAGE	SUPPLIER NAME
2.91001E+12	RING BAFFLE	2322652-2	50024	COLTEC INDUSTRIES INC.

Validated Data for upload to Maximo.

INS21	ITEM_DESCRIPTION	MODELNUM	MANUFACTURER	NAME
2.91001E+12	RING BAFFLE // DEFLECTOR,CRES,2.000 IN ID,2.187 IN	2322652-2	CS404921	COLTEC INDUSTRIES INC.

Notes on this example.

2. NSN was corrected. This may cause issues with onboard labelling of the item.
3. Item description and characteristics are delimited with an ‘_//_’ Note: _ indicates a blank space.
4. The NCAGE was converted to Maximo Supplier Code.
5. Manufacturer name was updated.

Example: Temporary NSN

PART ID	PART DESC	PART SUPP PAR	PART SUPP PAR	SUPP ID	SUPP DESC
304021TAG9110	SHAFT,SHOULDERED // 9-1/4 IN LG,1-15/16 IN DIA	21810218	21810218	55P10	G E CANADA INC

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The likelihood of an assigned NSN for this temporary NSN being found outside of the CGCM is highly unlikely. Time should not be wasted running a temporary NSN against any other catalogue. Subsequent searches of US & EU catalogues provided no result.

Corrected but not validated data for upload to Maximo.

INS21	ITEM_DESCRIPTION	MODELNUM	MANUFACTURER	NAME
304021TAG9110	SHAFT, SHOULDERED // 9-1/4 IN LG, 1-15/16 IN DIA	21810218	CS406121	GENERAL ELECTRIC CANADA

Note: Current manufacturer was identified and Maximo Supplier Code was updated.

Example: Temporary NSN identified

PART ID	PART DESC	SUPP PART NO	SUPP PART DES	SUPP ID	SUPP DESC
311021TAH3411	CONE, TAPERED ROLLER BEARING. 48 MM ID, 90-72 MM	HM804846	HM804846	35C09	TIMKEN CO THE PRODUCT

Validated Data for Upload to Maximo

INS21	ITEM_DESCRIPTION	MODELNUM	MANUFACTURER	NAME
3.11001E+12	CONE AND ROLLERS, TAPERED ROLLER BEARING // 9-1/4 IN LG, 1-15/16 IN DIA	21810218	CS404171	THE TIMKEN CORPORATION

P/N in Short Description

PART ID	PART DESC	SUPP PART NO	SUPP PART DES	SUPP ID	SUPP DESC
1290BDC000280	FUSABLE LINKS P/N; E165A07	FUSABLE LINK	FUSABLELINKS	*D524	MARTIN'S FIRE SAFETY LTD.

Validated Data for Upload to Maximo

INS21	ITEM_DESCRIPTION	MODELNUM	MANUFACTURER	NAME
1290BDC000280	FUSABLE LINK	E165A07	CS406139	Martin's Fire Safety

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Note: Part number references in the short description field must be parsed out and placed in the appropriate field. (MODELNUM)

3) Identifying Manufacturer

The Item Master data in Maximo requires the original/current manufacturer of the item be identified. This becomes difficult if you're not familiar with the equipment and only suppliers have been listed with reference information. Manufacturers come and go and are often acquired by larger companies.

Example:

4.71E+12	TUBE ASSEMBLY,METAL // APPL H PRESSURE FUEL DELIVERY	4401031-3	44010313	50024	FM ALCO POWER INC
4.71E+12	TUBE ASSEMBLY,METAL // APPL H PRESSURE FUEL DELIVERY	4401031-2	44010312	50024	FM ALCO POWER INC
4.71E+12	TUBE ASSEMBLY,METAL // APPL H PRESSURE FUEL DELIVERY	4401031-1	44010311	50024	FM ALCO POWER INC
4.71E+12	TUBE ASSEMBLY,METAL // APPL H PRESSURE FUEL DELIVERY	4401031-1	44010311	9584	BOMBARDIER INC RAIL AND DIESEL
4.71E+12	TUBE ASSEMBLY,METAL // APPL H PRESSURE FUEL DELIVERY	4401031-3	44010313	2914	GARLOCK OF CANADA LTD
4.71E+12	TUBE ASSEMBLY,METAL // APPL H PRESSURE FUEL DELIVERY	4401031-1	44010311	2914	GARLOCK OF CANADA LTD

In this example the data is showing us three different manufacturers/suppliers under two different part numbers. The item has been catalogued and assigned a NSN that is not in the CGCM. The entry for the Maximo Item Master would look like this:

INS21	ITEM_DESCRIPTION	MODELNUM	MANUFACTURER	NAME
4.71E+12	TUBE ASSEMBLY, METAL // APPL H PRESSURE FUEL DELIVERY	4401031-3	CS404921	COLTEC INDUSTRIES INC FAIRBANKS MORSE ENGINE

4) UNSPSC CODES

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Using the same example above with UNSPC code for Diesel Engines (parts).

INS21	ITEM_DESCRIPTION	MODELNUM	UNSPSC	MANUFACTURER	NAME
4.71E+12	TUBE ASSEMBLY, METAL // APPL H PRESSURE FUEL DELIVERY	4401031-3	26101504	CS404921	COLTEC INDUSTRIES INC FAIRBANKS MORSE ENGINE

Appendix B

MANUFACTURER INFORMATION REQUIREMENTS

Company Name:

Company Type: (V)endor or (M)anufacturer

Company Web site URL: http://

Company NSCM: (if available)

Company Address:

Company City:

Company State/Prov.:

Company Zip/Postal Code:

Company Country:

Company Phone #:

Company Fax #:

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PART ID	PART DESC	PART SUPP PART No.	SUPP ID	SUPP DESC			
5330218954298	O-RING.13/16 IN ID X 1-1/16 IN	304-016	30W27	E LYNDS ENTERPRISES LTD (UNKNOWN)			
611021TAH5174	STARTER,MOTOR.UNIVERSAL 3 POLE,600VAC,10A	KPMA POLE	QX874	FORGED STEEL VALVE CORP			
5365012680882	RING,RETAINING.ADAPTOR,BRASS,APPL CYLINDER HEAD	5127842	61D70	COLONIAL GARAGE AND DIST LTD			
5365012680882	RING,RETAINING.ADAPTOR,BRASS,APPL CYLINDER HEAD	5127842	72582	DETROIT DIESEL CORP			
5365012680882	RING,RETAINING.ADAPTOR,BRASS,APPL CYLINDER HEAD	5127842	54A49	MARLIN DETROIT DIESEL			
5920002808342	FUSE,CARTRIDGE. 1 AMP,250 V,1.250 IN LG,0.250 IN D	F02A250V1A	81349	MILITARY SPECIFICATIONS			
5920002808342	FUSE,CARTRIDGE. 1 AMP,250 V,1.250 IN LG,0.250 IN D	F02A250V1A	9706	SPERRY INC SPERRY MARINE			
5920002808342	FUSE,CARTRIDGE. 1 AMP,250 V,1.250 IN LG,0.250 IN D	23	S0540	TAIYO MUSEN CO LTD			
5920002808342	FUSE,CARTRIDGE. 1 AMP,250 V,1.250 IN LG,0.250 IN D	312001	75915	TRACOR LITTELFUSE INC			
5920002808342	FUSE,CARTRIDGE. 1 AMP,250 V,1.250 IN LG,0.250 IN D	AGC-1	37958	UNITED MARINE ELECTRONICS			
5920002808342	FUSE,CARTRIDGE. 1 AMP,250 V,1.250 IN LG,0.250 IN D	420-002	37919	WAGNER ENGINEERING LTD			
5920002808344	FUSE,CARTRIDGE. 0.500 AMP,250 V,1-1/4 IN LG	GGC1/2	90C74	HARRIS AND ROOME LTD			
5920002808344	FUSE,CARTRIDGE. 0.500 AMP,250 V,1-1/4 IN LG	312	33J97	MARITIME SERVICES LTD			
5920002808344	FUSE,CARTRIDGE. 0.500 AMP,250 V,1-1/4 IN LG	65-21975	50012	MOTOROLA COMMUNICATIONS GROUP			
5920002808344	FUSE,CARTRIDGE. 0.500 AMP,250 V,1-1/4 IN LG	FE-9-25	15A36	TERMINAL SHEET METAL			
5945218824211	RELAY,THERMAL.AUTOMATIC RESET,RANGE 3.3 TO 6.6 AMP	Z0-6.6-CNA	36355	KLOCKNER-MOELLER LTD			
5945218836996	RELAY,THERMAL.AUTOMATIC RESET,RANGE 0.32 TO 0.68 A	Z0-0.68-CNA	36355	KLOCKNER-MOELLER LTD			
533021TAH3422	SEAL,PLAIN ENCASED.RUBBER TYPE,65 MM ID,88 MM OD	AE3400A	QY954	NOK COMPANY			
2040EBC022721	BRUSH HOLDER, SINGLE, SHAFT GROUNDING ASSEMBLY	37000-ITEM 5A	U9466	SIEMENS WATER TECHNOLOGIES ELECTROCA ALYTIC LTD			
2040EBC022722	SILVER ALLOY BAND, SHAFT GROUNDING ASSEMBLY	37000-ITEM 1	U9466	SIEMENS WATER TECHNOLOGIES ELECTROCA ALYTIC LTD			
2815XXC023173	VOLVO PENTA MODEL D4 225A-C, 4 CYLINDER, 225HP						
621021TAG6181	LIGHT, INDICATOR, 120V, 50/60HZ						
414021TAH7459	BLOWER WHEEL ASSEMBLY & CLAMP. U/O MAYTAG DRYER	3-03836	CS303447	Maytag Corporation DBA Maytag Appliances Sales			
610521TAH2245	MOTOR,ALTERNATING CURRENT. 600V,3PH,0.5A,0.33HP,	84H2126A T12 MOTOR	CS303169	NORRIS WARMING CANADA LTD			
533021TAH3408	SEAL,PLAIN ENCASED.RUBBER TYPE,17 MM ID,30 MM OD	V009568	CS303035	INDAL TECHNOLOGIES INC			
536521TAH3413	SHIM SET. 167 MM OD,111 MM ID,4 SHIMS PER SET	1256-060-53	CS303035	INDAL TECHNOLOGIES INC			
536521TAH3413	SHIM SET. 167 MM OD,111 MM ID,4 SHIMS PER SET	390145	CS303035	INDAL TECHNOLOGIES INC			
536521TAH3413	SHIM SET. 167 MM OD,111 MM ID,4 SHIMS PER SET	V009542	CS303035	INDAL TECHNOLOGIES INC			
311021TAH3396	BEARING,ROLLER,THRUST. 16 MM ID,42 MM OD,15 MM W	V009553	CS303035	INDAL TECHNOLOGIES INC			
311021TAH3396	BEARING,ROLLER,THRUST. 16 MM ID,42 MM OD,15 MM W	1256-060-60	CS303035	INDAL TECHNOLOGIES INC			
311021TAH3396	BEARING,ROLLER,THRUST. 16 MM ID,42 MM OD,15 MM W	1253-060-20S	CS303035	INDAL TECHNOLOGIES INC			
311021TAH3396	BEARING,ROLLER,THRUST. 16 MM ID,42 MM OD,15 MM W	1253-060-20	CS303035	INDAL TECHNOLOGIES INC			
281521TAE8433	ENGINE,DIESEL.CATERPILLAR MODEL 3306,6 CYLINDER	3306DIT	CS301861	CATERPILLAR OF CANADA CORP (ON)			
291021TAG1144	PARTS KIT.FUEL PRIMING PUMP,9 ITEMS	DWG8N6287					
5360005196605	SPRING, HELICAL, COMPRESSION.BLK,STEEL,53.2 MM LONG	DWG236219	CS301861	CATERPILLAR OF CANADA CORP (ON)			
5360005196605	SPRING, HELICAL, COMPRESSION.BLK,STEEL,53.2 MM LONG	DWG-8N246-1	CS301861	CATERPILLAR OF CANADA CORP (ON)			
5330012521390	O-RING,U/O CAT 3508	DWG7N8669-15	CS301861	CATERPILLAR OF CANADA CORP (ON)			
5330012521390	O-RING,U/O CAT 3508	DWG310368	CS301861	CATERPILLAR OF CANADA CORP (ON)			
6250218455830	BALLAST,LAMP.FOR F20T12,F15T12,F15T8,OR F14T12	570-229S	9701	SOLA BASIC LTD			
473021TAM3473	FERRULE,STEEL.4MM	9202-04	CS403839	AEROQUIP CANADA LTD			
473021TAM3474	FERRULE,STEEL.6MM	9202-06	CS403839	AEROQUIP CANADA LTD			
473021TAM3475	FERRULE,STEEL.8MM	9202-08	CS403839	AEROQUIP CANADA LTD			
610521TAD2185	MOTOR,AC.1.5 HP.STEERING GEAR	25BC02JP	35925	TRANSPORT CANADA			
610521TAD2185	MOTOR,AC.1.5 HP.STEERING GEAR	17BC02JP	35925	TRANSPORT CANADA			
3110005165490	BEARING,BALL	6207					

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3110005543265	BEARING,BALL	6312.C3				
3110005543409	BEARING,BALL	7207				
3110005543409	BEARING,BALL	7207B.UA				
3110005543409	BEARING,BALL	7207B UA				
3110005545403	BEARING,BALL	6205				
3110005555207	BEARING,BALL	6307G				
3110005555221	BEARING,BALL	6204 C3				
3110005555472	BEARING,BALL	6206ZR/C3				
3110005555533	BEARING,BALL	6306ZR				
3110007967256	BEARING,BALL	6310.2RSR				
3110007967256	BEARING,BALL	6310-2RS				
3110007967256	BEARING,BALL	6310.2RSR.C3				
3110007967256	BEARING,BALL	6310DDU				
3110007967256	BEARING,BALL	6310-2RS1/C3				
3110007967256	BEARING,BALL	6310DDUAV2S				
311021TAK6487	BEARING,BALL	627RSR				
311021TAM6887	BEARING,BALL,2 SEALS	6210-2RSR-T-C3-L12				
311021TAM8215	BEARING,BALL	6313.2RSR.C3.L12				
311021TAM8216	BEARING,BALL	6313.2ZR.C3.L12				
3110AP0000290	BEARING,BALL.6204.2RSR.C3.L12	6204.2RSR.C3.L12				
3110AP8115974	BEARING,ROLLER	N210E.TVP2.C3				
2010EXC000986	O RING U/O BOWTHRUSTER [002946]	2946	62D22	DIESEL INJECTION SALES AND SERVICE LTD		
2010EXC000987	O RING U/O BOWTHRUSTER [000229]	229	62D22	DIESEL INJECTION SALES AND SERVICE LTD		
2010EXC002506	LOCKING WIRE,POS 52	6X480	QZ436	WARTSILA DIESEL CANADA INC		
2010EXC056589	O-RING. U/O STEERING GEAR. [212-06900-40]	212-06900-40, O-RING	K5622	ROLLS ROYCE MARINE CANADA LTD.		
2010EXC056590	BALL BEARING. U/O STEERING GEAR [412-6005.C2]	412-6005.C2, BALL BEARING	K5622	ROLLS ROYCE MARINE CANADA LTD.		
2010EXC056591	O-RING. U/O STEERING GEAR [212-0619-35]	212-0619-35, O-RING	K5622	ROLLS ROYCE MARINE CANADA LTD.		
2010EXC056592	FLEXIBLE COUPLING ELEMENT [433-B095] STEERING GEAR	433-B095, FLEXIBLE COUPLING	K5622	ROLLS ROYCE MARINE CANADA LTD.		
2010EXC056593	SPIRAL SPRING. U/O STEERING GEAR. [S35-137]	S35-137, SPIRAL SPRING	K5622	ROLLS ROYCE MARINE CANADA LTD.		
2010EXC056594	SPIRAL SPRING. U/O STEERING GEAR [S35P-041]	S35P-041, SPIRAL SPRING	K5622	ROLLS ROYCE MARINE CANADA LTD.		
2010EXC056595	SPIRAL SPRING. U/O STEERING GEAR [S35P-124]	S35P-124, SPIRAL SPRING	K5622	ROLLS ROYCE MARINE CANADA LTD.		
2030EX1110242	BEARING, BALL, FAG P/N 6016-C3, U/O MIRANDA DAVIT	6016-C3	43991	FAG BEARINGS CORP		
2030EX1110242	BEARING, BALL, FAG P/N 6016-C3, U/O MIRANDA DAVIT	6016	8E907	SCHAT DAVITS LTD		
2030EX1110242	BEARING, BALL, FAG P/N 6016-C3, U/O MIRANDA DAVIT	6016-C3	WAJAX	WAJAX INDUSTRIAL COMPONENTS		
2030EX1110243	BEARING, BALL, NSK P/N 6009 C3E, U/O MIRANDA DAVIT	6009C3E	86A00	NSK BEARING CO CANADA LTD		
2030EX1110243	BEARING, BALL, NSK P/N 6009 C3E, U/O MIRANDA DAVIT	6009	8E907	SCHAT DAVITS LTD		
2030EX1110244	BEARING, BALL, NSK P/N 6006 C3E, U/O MIRANDA DAVIT	6006C3E	86A00	NSK BEARING CO CANADA LTD		
2030EX1110244	BEARING, BALL, NSK P/N 6006 C3E, U/O MIRANDA DAVIT	6006	8E907	SCHAT DAVITS LTD		
2030EX1110244	BEARING, BALL, NSK P/N 6006 C3E, U/O MIRANDA DAVIT	6006C3E	WAJAX	WAJAX INDUSTRIAL COMPONENTS		
2030EX1110245	BEARING, THRUST, NSK P/N 51117, U/O MIRANDA DAVIT	51117	86A00	NSK BEARING CO CANADA LTD		
2030EX1110245	BEARING, THRUST, NSK P/N 51117, U/O MIRANDA DAVIT	51117	8E907	SCHAT DAVITS LTD		
2030EX1110245	BEARING, THRUST, NSK P/N 51117, U/O MIRANDA DAVIT	51117	WAJAX	WAJAX INDUSTRIAL COMPONENTS		
2030EX1110246	BEARING, THRUST, NSK P/N 51208, U/O MIRANDA DAVIT	51208	86A00	NSK BEARING CO CANADA LTD		
2030EX1110246	BEARING, THRUST, NSK P/N 51208, U/O MIRANDA DAVIT	51208	8E907	SCHAT DAVITS LTD		
2030EX1110246	BEARING, THRUST, NSK P/N 51208, U/O MIRANDA DAVIT	51208	WAJAX	WAJAX INDUSTRIAL COMPONENTS		
2030EX1110247	BEARING, THRUST, NSK P/N 51107, U/O MIRANDA DAVIT	51107	8E907	SCHAT DAVITS LTD		

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2030EX1110247	BEARING, THRUST, NSK P/N 51107, U/O MIRANDA DAVIT	51107	WAJAX	WAJAX INDUSTRIAL COMPONENTS			
2030EXC001265	COUPLING SET U/O STBD ABAS DECK CRANE	COUPLING	45G18	HYDRAULIC SYSTEMS LTD			
2030EXC001266	SEAL KIT U/O STBD ABAS DECK CRANE [920021]	920021	45G18	HYDRAULIC SYSTEMS LTD			
2030EXC001267	SHAFT SEAL U/O STBD ABAS DECK CRANE [394976]	394976	45G18	HYDRAULIC SYSTEMS LTD			
2030EXC001268	PISTON SEAL KIT U/O STBD ABAS DECK CRANE [180/110]	180/110	45G18	HYDRAULIC SYSTEMS LTD			
2030EXC001268	PISTON SEAL KIT U/O STBD ABAS DECK CRANE [180/110]	5265058	N0854	HYDRAULIK BRATTVAAG			
2090EXC000430	FILTER, OIL FILTER # MF0028199	P565242	62D22	DIESEL INJECTION SALES AND SERVICE LTD			
2090EXC000430	FILTER, OIL FILTER # MF0028199	MF0028199 (NEW)	EX389	EAST COAST HYDRAULICS LTD			
2090EXC000430	FILTER, OIL FILTER # MF0028199	2408, PARKER OIL FILTER (OLD)	36863	PARKER-HANNIFIN CANADA LTD MACHINE PRODUCTS DIV			
2090EXC000430	FILTER, OIL FILTER # MF0028199	2408X4 (OLD)	55752	PARKER-HANNIFIN CORP RACOR DIV			
2090EXC001468	FLAT BELT. U/O PURIFIERS [260169-23]	260169-23	8418	ALFA-LAVAL INC			
2090EXC001468	FLAT BELT. U/O PURIFIERS [260169-23]	26016923	62D22	DIESEL INJECTION SALES AND SERVICE LTD			
2090EXC001468	FLAT BELT. U/O PURIFIERS [260169-23]	26016923	QX539	HERMONT MARINE EQUIP INC			
2090EXC056216	CLEAR BOWL KIT, RACOR P/N RK-11-1606-1 900/1000 U/O PURIFIE	RK-11-1606-1	62D22	DIESEL INJECTION SALES AND SERVICE LTD			
2815EXC000004	ENGINE, MAIN ENGINE, CAT 3612	9RC00031	23A04	TOROMONT CAT DIV OF BATTLEFIELD RENTALS			
CGDR-00142	Misc Part Band for Reflex Gauge Glass	4262023561002	71A76	FULTON EQUIPMENT LTD			
CGDR-00143	UV Scanner (Mini Peeper) Honeywell	2-40-000161	71A76	FULTON EQUIPMENT LTD			
CGDR-I-00439	Anchor Windlass Bearing	145V4		UNASSIGNED			
CGDR-I-00459	Anchor Windlass Bearing	155V3		UNASSIGNED			
CGDR-I-00436	Atlas Copco Spider Coupling centers	1404-2013-00	AC	Atlas Copco			
CGDR-I-00436	Atlas Copco Spider Coupling centers	1504-2009-00	AC	Atlas Copco			
CGDR-I-00436	Atlas Copco Spider Coupling centers	1504-2013-00	AC	Atlas Copco			
CGDR-I-00508	Bearing - FAFNIR	204PP		UNASSIGNED			
CGDR-I-01576	Bearing - FAFNIR	W305PP		UNASSIGNED			
CGDR-I-01215	Bearing - FAG	MS11		UNASSIGNED			
CGDR-I-16097	Bearing - FAG	6216-C3		UNASSIGNED			
CGDR-I-16114	Bearing - FAG	6312G		UNASSIGNED			
CGDR-I-16111	Bearing- FAG	6309.2ZR.C3		UNASSIGNED			
CGDR-I-16116	Bearing - FAG/SKF	6318		UNASSIGNED			
CGDR-I-16052	Bearing - FSQ	6006ZZ		UNASSIGNED			
CGDR-I-16053	Bearing - FSQ	6007ZZ		UNASSIGNED			
CGDR-I-00468	Bearing - Hoffmann	170-V3		UNASSIGNED			
CGDR-I-01347	Bearing - HOOVER NSK	R12		UNASSIGNED			
CGDR-I-00642	Bearing - INA	3206ZZC3		UNASSIGNED			
CGDR-I-16115	Bearing - KBC	6313ZC3NDE/6313ZZC3SR1-2		UNASSIGNED			
4130003474334	SEAL,ROTARYFACE PLT/PN 2M437 & 9311013 & 054302A3	9311013	CS404722	DUNHAM-BUSH OF CANADA LTD			
4130003474334	SEAL,ROTARYFACE PLT/PN 2M437 & 9311013 & 054302A3	B5-2000437	71A76	FULTON EQUIPMENT LTD			
4130003474334	SEAL,ROTARYFACE PLT/PN 2M437 & 9311013 & 054302A3	9311013	71A76	FULTON EQUIPMENT LTD			
4130006254956	PISTON,COMPRESSOR.CAST IRON, PN 5F20-482	5F20-482	CS405210	BRONSWERK MARINE INC CANADA (FORMERLY STORK WERKSPoor CANADA LTD)			
4130006254956	PISTON,COMPRESSOR.CAST IRON, PN 5F20-482	5F20-482	10855	CARRIER TRANSCOLD CO DIV OF CARRIER CORP			
4130006254956	PISTON,COMPRESSOR.CAST IRON, PN 5F20-482	DWG-5F20	36604	GALT EQUIPMENT LTD			
4130006254956	PISTON,COMPRESSOR.CAST IRON, PN 5F20-482	17-10514	73030	HAMILTON STANDARD DIV OF UNITED TECHNOLOGIES			
4130006254956	PISTON,COMPRESSOR.CAST IRON, PN 5F20-482	5F20-482	H5811	STORK-WERKSPoor DIESEL BV			
SWG-000000077	Seal PN:2N-0475	2N-0475	CAT	CAT			
SWG-000000078	Seal PN:6V-5266	6V-5266	CAT	CAT			
SWG-000000079	Seal-O-Ring PN:112-3540	112-3540	CAT	CAT			

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SWG-000000080	Seal-O-Ring PN: 6V-4365	6V-4365	CAT	CAT			
SWG-000000081	Seal-O-Ring PN: 6V4367	6V4367	CAT	CAT			
SWG-000000082	Seal-O-Ring PN: 1090073	1090073	CAT	CAT			
SWG-000000083	Seal PN: 166-2904	166-2904	CAT	CAT			
SWG-000000084	Seal O Ring PN: 1090077	1090077	CAT	CAT			
SWG-000000085	Seal O Ring PN: 7D7111	7D7111	CAT	CAT			
201021TAG1008	RING, SEAL, P/N R916463460	28230	8N181	EAST COAST HYDRAULICS NFLD LTD WRIDEOUT@EASTCOASTHYDRAULICSCA			
201021TAG1008	RING, SEAL, P/N R916463460	R916463460	8N181	EAST COAST HYDRAULICS NFLD LTD WRIDEOUT@EASTCOASTHYDRAULICSCA			
201021TAG1009	RING, PACKING, P/N R916461963	123200	8N181	EAST COAST HYDRAULICS NFLD LTD WRIDEOUT@EASTCOASTHYDRAULICSCA			
201021TAG1009	RING, PACKING, P/N R916461963	R916461963	8N181	EAST COAST HYDRAULICS NFLD LTD WRIDEOUT@EASTCOASTHYDRAULICSCA			
201021TAH4071	BLADE,PROPELLER,SHIP.LH,LIPS CPP UNIT	W003101476	89N16	LIPS N V CANADA LTD			
201021TAH4072	SLIDING BLOCK.LIPS PN W004520206	W000001266-A0 FIG 3,ITEM 1	89N15	LIPS N V CANADA LTD			
201021TAH4072	SLIDING BLOCK.LIPS PN W004520206	W004520206	89N15	LIPS N V CANADA LTD			
201021TAJ7211	REPAIR KIT.APPL RELAY VALVE, PN 600399	REPAIR KIT	D9182	LOHMANN UND STOLTERFOHT GMBH			
2010EC1000032	DISCO CHECK VALVE, PN 236645, OR 6-16, OR FIG#560	236645	62D22	DIESEL INJECTION SALES & SERVICE			
2010EC1000032	DISCO CHECK VALVE, PN 236645, OR 6-16, OR FIG#560	42522	D9182	LOHMANN UND STOLTERFOHT GMBH			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	625A858AY001	9815	CANADIAN GENERAL ELECTRIC CO MOTOR BUSINESS GROUP			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	3B4128	11083	CATERPILLAR TRACTOR CO			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	6203ZZ	K0161	DORMAN DIESELS LTD DORMAN			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	6203-ZZ	42F14	G E C CANADA LTD			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	77203	43334	GENERAL MOTORS CORP NEW			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	6203 ZZ	CS403996	MURRAY A H AND CO LTD			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	6203ZZ	70A32	N T N BEARING CORP OF CANADA			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	6203-2Z	52676	SKF INDUSTRIES INC			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	BB-20-18	15A36	TERMINAL SHEET METAL			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	6203-2Z	86D89	VENTEC CO			
3110001448589	BEARING,BALL,ANNULAR. 17 MM BORE DIA,40 MM OD	6203AA	UNKN				
4320000991060	IMPELLER,PUMP,CENTRIFUGAL.SINGLE WIDTH DESIGN	920-0001	83C97	ATLANTIC PURIFICATION SYSTEMS LTD			
4320000991060	IMPELLER,PUMP,CENTRIFUGAL.SINGLE WIDTH DESIGN	78IT-00920-0001	QZ485	BASIL FEARN			
4320000991060	IMPELLER,PUMP,CENTRIFUGAL.SINGLE WIDTH DESIGN	920-0001	77A39	BASIL FEARN LTD			
4320000991060	IMPELLER,PUMP,CENTRIFUGAL.SINGLE WIDTH DESIGN	702-0001	19D63	DUNBAR A G CO LTD			
4320000991060	IMPELLER,PUMP,CENTRIFUGAL.SINGLE WIDTH DESIGN	2SF4-14-5	61A85	HAMWORTHY CANADA LTD			
2010FPC003563	SWITCH TEMP U/O OIL DISTRIBUTION BOX/ CPP PN 11	SWITCH TEMP U OC BOX CPP	22222	SIGNAL TRANSFORMER CO			
2010FPC003563	SWITCH TEMP U/O OIL DISTRIBUTION BOX/ CPP PN 11	W000520558	22222	SIGNAL TRANSFORMER CO			
2010FPC003563	SWITCH TEMP U/O OIL DISTRIBUTION BOX/ CPP PN 11	11	6E425	WARTSILA CANADA INC.			
2010FPC005278	PISTON RING W/ CLIP U/O LIPS P/N W004061500	W000001150021	22222	SIGNAL TRANSFORMER CO			
2010FPC005278	PISTON RING W/ CLIP U/O LIPS P/N W004061500	W004061500	6E425	WARTSILA CANADA INC.			
2090FPC003739	SEARCHLIGHT CARLISLE & FINCH X9398 HRF NEW	X9398-HRF	10741	CARLISLE AND FINCH CO THE			
2895XXC002714	KIT,SMALL PARTS KIT VOLVO PENTA	3857721	!UNKN!	**UNKNOWN**			
2920FPC002462	STARTING MOTOR U/O EMERGENCY GENERATOR	3T 4586	23A04	TOROMONT CAT (WAS NF TRACTOR)			
2920FPC002463	ALTERNATOR U/O EMERGENCY GENERATOR	OR 3653	23A04	TOROMONT CAT (WAS NF TRACTOR)			
2940FCC002459	FILTER,OIL.25 MICRON A/T FILTER CART(0180MA025P)	0180MA025P	8N182	EAST COAST HYDRAULICS AND MACHINERY CO			
2940FCC002459	FILTER,OIL.25 MICRON A/T FILTER CART(0180MA025P)	SF-6711	8N182	EAST COAST HYDRAULICS AND MACHINERY CO			
3130FPC000506	BEARING P/N [6218]	6218	QZ003	F C MORRISON			
3130FPC000507	BEARING P/N [6310]	6310	QZ003	F C MORRISON			
3130FPC000508	BEARING P/N [2129]	2129	QZ003	F C MORRISON			

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3130FPC000509	BEARING P/N [6312]	6312	QZ003	F C MORRISON			
3130FPC000510	BEARING P/N [6308]	6308	QZ003	F C MORRISON			
4240FPC001246	SEAL, OIL, WINCH, RIGID HULL DAVIT [95012012]	95012012	8E907				
4240FPC001247	SEAL, OIL, WINCH, RIGID HULL DAVIT [58808]	58808	8E907				
4240FPC001248	SEAL, OIL, WINCH, RIGID HULL DAVIT [45658]	45658	8E907				
4310XXC00368	FILTER ELEMENT FRP-95-209	FRP-95-209	!UNKN!	**UNKNOWN**			
4330FPC001859	BEARING, ROLLER, 3204B-2RSRTNH3	3204B-2RSRTNHC3	76875	BEARINGS INC			
4410XXC002885	NOZZLE FUEL OIL U/O BOILER 1.50 60NS	1.50 60NS	!UNKN!	**UNKNOWN**			
4630FPC001725	PUMP, WATER, CAT ENGINE [100-7479]	100 7479	19M74	CATERPILLAR OF CANADA			
4630FPC001725	PUMP, WATER, CAT ENGINE [100-7479]	1996530	19M74	CATERPILLAR OF CANADA			
5999FPC000864	BULB / LAMP. A/T HAND LANTERN (4.7 VOLT, # 4546)	4.7 VOLT, 0.5 AMP					
5999FPC000865	BULB / LAMP. A/T EMERG LIGHTING (EMS0407S-L4V7W)	BULB					
5999FPC000865	BULB / LAMP. A/T EMERG LIGHTING (EMS0407S-L4V7W)	EMS0407S-L4V7W					
5999FPC002084	BULB / LAMP, MINI. (CLEAR, TYPE NE51H)	BULB					
5999FPC002106	BULB / LAMP (FLUORESCENT TUBE) TYPE F20-T12-CW	F20-T12-CW	66D05	MCLOUGHLAN SUPPLIES LTD.			
6115FPC000747	LINE,FUEL INJ. U/O EMERG. GEN. [7C9771]	7C9771	23A04	TOROMONT CAT (WAS NF TRACTOR)			
9950FPC002279	COUPLING (L095 / L090)	COUPLING	75665	LOVEJOY INC			
9950FPC002280	COUPLING (N-100 / N-099)	COUPLING	75665	LOVEJOY INC			
VCBT-000051	Tubing, Chemical, u/o Hobart Dishwasher	328252	QZ385	HOBART CANADA			
VCBT-000052	Solenoid, Asco Coil, u/o F/O Purifier	400325-201	01CR1	EASTERN VALVE &			
CGDR-I-16582	Cat - Seal-O-Ring (sensor - coolant water temperature)	6V-6609	@0002	FINNING CATERPILLAR			
CGDR-I-16520	Cat - Seal-O-Ring (sensor - injection actuation pressure)	214-7567	@0002	FINNING CATERPILLAR			
CGDR-I-01574	Connecting Rod Bolts	W203 (C2)	UNASSIGNED				
CGDR-I-00754	Connecting Rods	Connecting Rods	UNASSIGNED				
3110218770199	BEARING,BALL,ANNULAR.SINGLE ROW,RADIAL,65 MM BORE	6313-2RS	36121	SKF CANADA LTD			
3020219147897	GEAR,SPUR.STEEL,45 TEETH,1.958(50MM)OD,	32251	36195				
3020219147897	GEAR,SPUR.STEEL,45 TEETH,1.958(50MM)OD,	B-32251	36195				
2030EBC021863	BEARING, BALL, 51208	51208	CS403999	UMOE SCHAT - HARDING LTD (GOSPORT UK)			
2030EBC021864	BEARING,THRUST 51107X	51107X	CS403999	UMOE SCHAT - HARDING LTD (GOSPORT UK)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	DWG-D4149-PG4/7	CS999999	**UNKNOWN**			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	1608956	CS300738	ALFA LAVAL INC.			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	50289600/57	CS300738	ALFA LAVAL INC.			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	101165	CS403872	ALLWEILER AG			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	2F5721	CS310040	ATLANTIC TRACTORS & EQUIPMENT LTD (Dartmouth, NS) CATERPILLAR			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	1B4115	CS301861	CATERPILLAR OF CANADA CORP (ON)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	1B-4115	CS301861	CATERPILLAR OF CANADA CORP (ON)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	2F5721	CS301861	CATERPILLAR OF CANADA CORP (ON)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	9340028	CS404797	CULLEN CANADIAN (WARTSILA)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	174-008 (16V32)	CS404797	CULLEN CANADIAN (WARTSILA)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	182-008 (6R22MD)	CS404797	CULLEN CANADIAN (WARTSILA)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	6616	CS403875	DELAVAL CO THE LTD			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	6305	CS303579	Fag Bearings Corporation			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	6305	CS302979	FAG BEARINGS LTD			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17I	305W	CS404837	FEDERAL-MOGUL CORP GOVERNMENT SALES DEPT			

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3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	3305	CS302160	General Motors Corp (MI, USA)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	907302	CS403810	GENERAL MOTORS CORP DETROIT DIESEL ALLISON DIV			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	12016	CS300768	HOBART CANADA INC. A PMI FOOD EQUIPMENT			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	1253-060-14	CS303035	INDAL TECHNOLOGIES INC			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	1256-060-69	CS303035	INDAL TECHNOLOGIES INC			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	V009547	CS303035	INDAL TECHNOLOGIES INC			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	75831	CS403750	ROLLS-ROYCE AB KAMEWA (SWEDEN)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	6305	CS309794	N T N BEARING CORP OF CANADA			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	BL305X1C3	CS309794	N T N BEARING CORP OF CANADA			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	1B-4115	CS302125	NEWFOUNDLAND TRACTOR AND EQUIPMENT			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	BL305	CS403876	NSK BEARING CO CANADA LTD			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	MJ25	CS403675	NSK UK LTD (FORMERLY R H P INDUSTRIAL BEARINGS LTD)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	MJ25	CS403675	NSK UK LTD (FORMERLY R H P INDUSTRIAL BEARINGS LTD)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	305	CS302992	SKF CANADA LTD			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	6305	CS302992	SKF CANADA LTD			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	6305	CS302992	SKF CANADA LTD			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	305S	CS303881	SKF INDUSTRIES INC			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	6305	CS303881	SKF INDUSTRIES INC			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	6305/QE6	CS303881	SKF INDUSTRIES INC			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	6305J	CS309846	SKF USA Ltd			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	4325-4077	CS406019	WARTSILA CANADA INCORPORATED (NFL)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	SHA120L3-34	CS406019	WARTSILA CANADA INCORPORATED (NFL)			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	9340028	CS404324	WARTSILA FINLAND OY			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	174-008 (16V32)	CS404324	WARTSILA FINLAND OY			
3110001448519	BEARING,BALL,ANNULAR. 25 MM BORE DIA,62MM OD,17	182-008 (6R22MD)	CS404324	WARTSILA FINLAND OY			

Appendix D Clean Data

INS21	SHORT DESCRIPTION	UNSPSC	MFGR PART No.	SUPP ID	SUPP DESC
3110001145990	BEARING,BALL,ANNULAR // STL,50 MM ID,90 MM OD	31171504	1387472	CS406861	GORIZIANE GROUP SPA
3110001146000	BEARING,BALL,ANNULAR // 90MM OD,40MM BORE,23MM WIDE,	31171504	308SZZ	CS309846	SKF USA Ltd
3110001448513	BEARING,BALL,ANNULAR // SINGLE ROW,RADIAL,20 MM BORE	31171504	98204	CS309846	SKF USA Ltd
3110001448966	BEARING,BALL,ANNULAR // 130 MM BORE DIA,280.0 MM OD	31171504	6326	CS309846	SKF USA Ltd
3110002273158	BEARING,ROLLER,THRUST // ASSY,OUTER CONE,112MM OD,96M	31171552	10861207	CS404171	THE TIMKEN CORPORATION
3120006496513	BEARING HALF,SLEEVE // SHELL,MAIN BEARING CENTER,	31171528	21410326-1	CS302002	COLTEC INDUSTRIES INC! DBA FAIRBANKS MORSE ENGINE FM/ALCO
3120011289027	BEARING HALF SET,SLEEVE // CONNECTING ROD BEARING	31171528	8N8219	CS301861	CATERPILLAR OF CANADA CORP (ON)
5999004068771	CONTACT SET,MOTOR STARTER // A200,SIZE 1,4 POLES	39121522	373B331G09	CS305858	EATON CORPORATION
3655006902284	DISK,DISCHARGE VALVE // 2.35 IN OD,1.65 IN ID,0.04 IN THK	40141651	17-10610-00	CS406220	CARRIER CORPORATION MARINE DIVISION
2805008445873	RING SET,PISTON // DSGN FOR 2.5 IN BORE	26101727	17-10523-04	CS406220	CARRIER CORPORATION MARINE DIVISION
4310218716832	VACUUM PUMP UNIT,ROTARY // C/O MOTOR AND PUMP	40151502	G05851	CS310169	SIHI PUMPS LTD
4320000991060	IMPELLER,PUMP,CENTRIFUGAL // SINGLE WIDTH DESIGN	40151730	5193602	CS304913	MTU AMERICA INC.
4330012926652	PURIFIER,CENTRIFUGAL,OIL // 4700 L/HR,7605 RPM MAX	20142501	WHPX-405-TGD-24-60	CS304872	Alfa Laval Inc
5330218598015	PACKING,PREFORMED // O-RING,U/O LUBE OIL PURIFIER	31401503	223408-4	CS304872	Alfa Laval Inc
5920009040959	FUSE CARTRIDGE // 6 AMP,600 V	39121606	KTK6	CS304847	Cooper Bussmann Inc.
4710012066223	TUBE ASSEMBLY,METAL // FUEL INJECTION LINE	26101504	1-7C7991	CS306144	TOROMONT DIV TOROMONT OF INDUSTRIES LTD(Concord, Ont.)
6105219035861	MOTOR,ALT CURRENT // 240V,0.51A,1/8HP, SPACE HEATER	26101112	01513-002	CS302997	CHROMALOX CANADA
6240009635417	LAMP, INCANDESCENT // SEALED BEAM, ICEBREAKING LIGHS	39101612	150PAR46 125V	CS406121	GENERAL ELECTRIC CANADA (PETERBOROUGH ON)
6625012075026	INDICATOR,SYNCHRONIZATION // "SLOW-FAST",120VAC,60HZ,	32101543	007-146A-PRAE	CS406862	TYCO ELECTRONICS CROMPTON INSTRUMENT
2520007227074	PARTS KIT,UNIVERSAL JOINT // SPIDER,UNIVERSAL JOINT	25173810	5-153X	CS406618	DANA CORP SPICER TRANSMISSION DIV
4330000748627	FILTER ELEMENT,FLUID // 10 MICRON	40161807	P204HD	CS301342	Baldwin Filters Inc
4720004511020	HOSE,NONMETALLIC // 2-1/2 IN ID,U2,WORK PSI 62	40142005	2661-40	CS405839	EATON-AEROQUIP INC DIV FLUID CONNECTORS PRODUCTS
4820012590956	VALVE,COMPRESSOR // COMPRESSOR,SECOND	40141651	45401601	CS306975	WARTSILA WATER SYSTEMS LIMITED
5930210079594	SWITCH,THERMOSTATIC // TEMPERATURE CONTROL	39122229	SA 3967	CS406863	GAYLORD VENTILATORS OF CANADA INC
4330010463399	FILTER ELEMENT,FUEL, RACOR, 2 MICRON	40161807	2020SM	CS404302	PARKER-HANNIFIN CORP FILTER DIV

UNSPSC	MFGR PART No.	PART SUPP PART Desc	SUPP ID	SUPP DESC
31171504	1387472	62102RS1	CS406861	GORIZIANE GROUP SPA
31171505	252619	6N299	CS403966	AGCO CORP³PARTS OPN
31171506	50BC02JDD	70413	CS403963	ANTI-FRICTION BEARING MFG³ASSN INC THE
31171507	10741-2-23	81336	81336	Chief of Engineers
31171508	D10741-2-23	81336	81336	Chief of Engineers
31171509	302713	12603	CS403886	Clark Equipment Co.
31171510	1387472	90129	90129	Cooper Crouse- Hinds LLC
31171511	302713	77237	77237	Dana Corp.
31171512	T116499	9R569	9R569	Deere and Co.
31171513	10741-2-23	21699	21699	Electro-Tech Inc.
31171514	005-18-10	28398	28398	Energys Inc.
31171517	50BC02JDD	3510	CS405677	GENERAL ELECTRIC CO MOTOR BUSINESS GROUP
31171518	99510	24617	CS302160	General Motors Corp (MI, USA)
31171519	Z99510	24617	CS302160	General Motors Corp (MI, USA)
31171520	27-003	91723	91723	Georator Corporation, The
31171521	137-540-9002	99193	99193	Honeywell International Inc.
31171522	99210	29337	CS404004	HOOVER GROUP INC, BALL AND ROLLER DIV
31171523	Z-99510	75477	75477	Howden Buffalo Inc..-NPD.
31171524	43210TT	30076	CS403882	NACCO MATERIALS HANDLING GROUP INC!DBA HYSTER
31171525	210PP	66155	66155	Porta Drill Inc.
31171526	8128-1366	74226	74226	Red Lion Cabinet Co.
31171527	8128-1366	92065	92065	Redco Corp.
31171528	210SZZ	38443	CS403843	SKF USA INC DBA SKF AEROENGINE NORTH AMERICA
31171529	6210-2RS	52676	CS303881	SKF INDUSTRIES INC
31171530	210PP	60380	CS403695	TIMKEN AEROSPACE, INC!DBA TORRINGTON PRODUCT
31171531	210PPC3FS381A	21335	CS403695	TIMKEN AEROSPACE, INC!DBA TORRINGTON PRODUCT
31171532	7001B	96354	96354	Tucker SNO-CAT Corporation

Appendix F Unidentifiable Item

INS21	PART DESC	PART LONG DESC	MODELNUM	MANUFACTURER	NAME
2030XXC003139	OIL SEAL U/O ANCHOR WINDLASS 415371	OIL SEAL %0D%0APART # 415371%0D%0AUSED ON ANCHOR WINDLASS	OIL SEAL	!UNKN!	**UNKNOWN**
2090FPC002341	SIGHT GLASS, U/O OWS	1/2" SIGHT GLASS U/O OWS TANK			
2815FPC001605	BEARING FOR TURBO CHARGER U/O M/E [32]	BEARING TYPE W3,VRT 201., VTR 200, P/N: 32	32	QZ451	WARTSILA CULLEN DIESEL INC
7360FPC003313	BIB WASHER ASSORTED P/N 624 PLUMBING	ASSORTED BIB WASHERS%0D%0A%0D%0AVERIFIED AS OF 01 AUG 2007 INVENTORY CHECK - J. CLUETT	624	42344	
2040FEC002052	SEAL KIT WATER TIGHT DOORS	SEAL KIT WATER TIGHT DOORS	0	63705	WALZ AND KRENZER INC
533021TAP2308	SEAL, ASSEMBLY,SHAFT,SPRING LOADED.ACCOM 50MM SHAF	SEAL ACCOMODATES 50 MM DIA SHAFT,U/O HAMWORTHY PUMP, ALSO THE EMERGENCY AIR COMPRESSOR HAMWORTHY MODEL D125 VID 2 SERIAL 48596-10	21	UNKN	
6240FEC000463	LAMP,MINIATURE,INDICATOR.3797.BOW THRUSTER	MINITURE LAMP. U/O ON BOWTHRUSTER BAYNET BASE IDENTIFER 3797	3797	XXXXX	
9925ECEC09989	FILTER DRIERS, ALCO PN: EK-30-5	3/8" SAE			
4520OE9999	TANK, BOOSTER	TANK, BOOSTER, HOBART			
6320EC07776	GASKET SET, PISTON RING, USED ON WHISTLE /FOG HORN	GASKET SET, PISTON RING PART # ACC TO LI 142 ONE SET USED ON AIR WHISTLE AND FOG HORN ZOLLNER	ZOLLNER	99999	DEPARTMENT OF DEFENSE AMMUNITION
R-3805-GS-15	DECK DRAIN	11/2" DECK DRAIN, GALVANIZED STEEL WITH BRONZE STRAINER & BAFFLE.			
5330ASCDS1216	GASKET, BONNET GASKET	STYLE W, 304/CHL 1 1/2 X 2 X 0.125			
432021TAF1672	PUMPING UNIT,HYDRAULIC,POWER DRIVEN.				
593021TAH5505	SWITCHING UNIT.PARALLEL PORT,1 IN,2 OUT	SWITCHING UNIT. PARALLEL PORT,1 IN 2 OUT,CONNECTS TWO PRINTERS	0	QX797	EPSON CANADA LTD
4730C0DL03666	FITTING, COMPRESSION, 90* ELBOW, SS, TUBE TO TUBE,	FITTING, COMPRESSION, 90* ELBOW, SS, TUBE TO TUBE, 1/4"	ELBOW 90* TU	QX560	SWAGELOK FITTINGS LTD
9999C0DL02971	MCR RPM PROTECTIVE GLASS	MCR RPM PROTECTIVE GLASS 8 5/8" BY 8 5/8" FRAME		59585	GREAT PLAINS INDUSTRIES INC
CGJK000000416	DIFFUSER - ACCOMMODATION AIR DIFFUSER	DIFFUSER - ACCOMMODATION AIR DIFFUSER - VENT - APPLICATION: ACCOMMODATION AIR CIRCULATION			
432021TAF1249	IMPELLER, MAGNETIC	MAGNET IMPELLER AND BEARING SLEEVE. USED ON BEVERAGE DISPENSER			
473005OCA0496	CAP, CAP NO 60, VICTAULIC 3"	CAP PLUG3" CAP, 3" PLUGVICTAULIC			
5310970CA0012	WASHER, LOCKING ITEM # 43	LOCK RING DRG. # W000400779 ITEM 43SEE #5310-21-TAN-6811			

Appendix G Secondary Reference Examples

INS21	PART DESC	MODELNUM	MANUFACTURER	NAME
3110004838770	BEARING,CONE AND ROLLERS,TAPERED	DWG-5262033 ITEM 4	19380	FMC TECHNOLOGIES, INC. MATERIAL HANDLING SOLUTIONS
432021TAJ7433	RING,WIPER.APPL TRIPLEX PUMP PLUNGER,U/O MODEL	DWG-5262792 ITEM 33	19380	FMC TECHNOLOGIES, INC. MATERIAL HANDLING SOLUTIONS
5330EBC021890	PACKING SPRING.U/O M06 TRIPLEX PUMP	ITEM 33	19380	FMC TECHNOLOGIES, INC. MATERIAL HANDLING SOLUTIONS
431021TAH2018	RING SET,PISTON.LP,STANDARD,4 RING SET,COMPLETE	DWG-SEALER RING-13	49576	QUINCY COMPRESSOR DIVISION OF COLTEC INDUSTRIES INC
530521TAH5035	SCREW,CAP,SOCKET HEAD.U/O OIL PURIFIER,STEEL,	DWG-200.1	CS999999	**UNKNOWN**
5330218967566	GASKET.RUBBER,3-5/8 IN LG,2 IN W,U/O WHISTLE	DWG-WH-30154-10	CS303090	Airchime Manufacturing Co Ltd
5330218967566	GASKET.RUBBER,3-5/8 IN LG,2 IN W,U/O WHISTLE	DWG-WH-30180-16	CS303090	Airchime Manufacturing Co Ltd
2910013867866	IMPELLER,U/O ROTARY PUMP,A/T F/O PURIFIER	DWG-S02782-538539-01	CS300738	ALFA LAVAL INC.
3110001564252	BEARING,BALL,ANNULAR.52MM OD,26MM BORE,14MM WIDE,	DWG-S83466E ITEM 15	CS300738	ALFA LAVAL INC.
4730121543782	ADAPTOR,STRAIGHT,TUBE-BOSS	0/7973/1011/1 DWG ITEM 20	80R60	BASIC TECHNOLOGIES CORPORATION
5330011931618	GASKET.REAR COVER,RUBBER,17-1/2 X 18-5/8 X 3/16 IN	DWG-PL7262F-42	10741	CARLISLE AND FINCH CO THE
5330012755958	GASKET,PORT HOLE	DWG-30/3.4.3-15	CS302895	LESLIE CONTROLS INC
5330012778819	GASKET,FIBRE,WATER FILLING PLUG	DOCUMENT 572537 POS 23	8418	ALFA-LAVAL LTD
5330121339431	GASKET,COPPER.21MM ID X 26MM OD X 1.5MM THK	6850-19ITEM49	0A8Z1	INVALID USE QZ436
2030EXC001937	O RING U/O BRATTVAAG WINCHS [132-058 POS.12]	132-058 [POS. 12]	52D17	ULSTEIN GROUP
2030EXC001938	URING U/O BRATTVAAG WINCHS [132-058]	132-058 [POS. 11]	52D17	ULSTEIN GROUP
2030EXC001959	O-RING. U/O BRATTVAAG WINCHS [801-027-15]	ITEM 53, 801-027-15	T9999	ROLLS-ROYCE CANADA LTD
2815EXC055649	SEAL, #9. FUEL SETTLING / DAY TANK SIGHT GLASS	GPT225610, #9 SEAL	EAST7	EASTERN VALVE & CONTROL SPECIALIES
3110001448519	BEARING, BALL, ANNULAR. 25 MM BORE DIA, 62MM OD, 17MM	DWG-D4149-PG4/7	61A85	HAMWORTHY CANADA LTD
3110010716506	BEARING, ROLLER,TAPERED. P/O OIL DISTRIBUTION BOX	W000400779021	89N15	LIPS N V CANADA LTD
3120006622139	BUSHING,SLEEVE. 1.7470 IN MIN TO 1.7510 IN MAX ID	DWG30/3.4.1-14	CS302895	LESLIE CONTROLS INC
3110002939163	BEARING,BALL,ANNULAR.STL,25 MM ID,52 MM OD,15 MM W	DWG-4001A1128GF	5097	CANADIAN GENERAL ELECTRIC CO MOTOR BUSINESS GROUP
591521TAH2868	NETWORK,RESISTOR-CAPACITOR. 230 VAC,220 OHM,1/2 W	DWG-LEVEL 1426	5097	CANADIAN GENERAL ELECTRIC CO MOTOR BUSINESS GROUP
462021TAH6856	DIFFUSER.APPL TO COMBINED AIR/BRINE EJECTOR	984.12034.00 ITEM 5	8148	UNION CARBIDE CANADA LTD
5998XXC001896	CIRCUIT BOARD. A/T AUXILIARY LOW WATER CONTROL ON STEA	ITEM # 9 (DWG PL-56382)	66134	VULCAN-HART CANADA INC PMI FOOD EQUIPMENT GROUP
610521TAF3273	MOTOR,ALTERNATING CURRENT. 120V,0.30A,	DWG-3189 REV F-26	10741	CARLISLE AND FINCH CO THE
281521TAF1906	SEAT RING, EXHAUST VALVE, 1.5 MM STANDARD, 16V32	3V-12B-0264B (NEWER DWG #)	QX134	WARTSILA VASA FACTORY
2010213786	FORK, U/O LIPS,P/N W003700088	W003010253, ITEM 20	12345	JOINER SYSTEMS INC. ATTN: MARIA POBEDIMOV
2815001225733	RING,PISTON.3RD COMP RING,APPL M AND G TYPE PISTON	DWG-NO-DSCB/RPH-15	K8098	PAXMAN DIESELS LTD
5999000181135	CONTACT ASS/BLOCK PN 9001 KA3 & A70001-644-Q1	DWG-D84017-E2-PB209B	94487	CROTHERS LTD
5360215968	SPRING,HELICAL COMPRESSION.EXPLOSION RELIEF VALVE	FIG. 1132-003	S3056	NOHAB DIESEL
3120995308002	BEARING,SLEEVE.BRASS,1.500 IN ID,2.250 IN MAX OD	DWGT-D.4373-64	61A85	HAMWORTHY CANADA LTD
4320012565704	SLEEVE,SHAFT,PUMP.U/O SEA WATER PUMP,	FIG.43	11839	BEAIRD INDUSTRIES INC
5330004404898	PACKING,PREFORMED.SYN.RUB.1.00IN.ID,1.250IN.	BWK621-22 ITEM 15	63704	
3020010537346	GEAR.FLYWHEEL GEAR 113 TEETH 17.500 IN O/D 1.000	DWG-317291	11083	CATERPILLAR TRACTOR CO
3120011002510	BUSHING.COPPER SPLIT 20 MM O/A LENGTH 19 MM I/D	DWG-ACHTO380 "E"	1C335	PERKINS ENGINES INC
2010FPC000908	O RING U/O CPP DRWG# A003436 VALVE BLOCK (ITEM 47)	ITEM 47	QZ436	WARTSILA DIESEL CANADA INC

Appendix H

Glossary of Terms & Acronyms

AMS	Asset Management System
CAGE	Commercial and Government Entity (Program)
CCG	Canadian Coast Guard
CGCM	Canadian Government Catalogue of Material
DB	Database
DFO	Department of Fisheries and Oceans (Canada)
DLA	Defence Logistics Agency
EU	European Union
LCMM	Lifecycle Materiel Management
MICOE	Materiel Identification Center of Expertise
MMRI	Materiel Management Rationalization Initiative
NATO	North Atlantic Treaty Organization
NCS	NATO Codification System
NMCRL	NATO Master Cross Reference List
NNN	Nato Noun Name
NSN	NATO Stock Number
OEM	Original Equipment Manufacturer
SCM	Supply Chain Management
UNSPSC	United Nations Standard Products and Services Code
USDoD	United States Department of Defence