

CERTIFIED LUBRICANTS LISTING
(January 22, 2007)



SCOPE:

Materials furnished under the specifications for "OGL-Open Gear Lubricant (SD4713)", "MPG-Multi Purpose Grease (SD4711)" and "Dragline Enclosed Gearcase Lubricant" (SD4721 Part A) are intended for use on Bucyrus International, Inc. mining machinery (Electric Mining Shovels, Draglines and Rotary Blasthole Drills).

Lubricants certified by their manufacturers as complying with these Bucyrus International, Inc. specifications are listed in the tables below.

LUBRICANT SELECTION:

Specific product selection is the responsibility of the equipment operator/owner and is dependent on climate, application, performance and regional/local regulatory requirements.

Each lubricant listed in the tables below has a unique operating temperature range. It is the responsibility of the lubricant manufacturer to recommend the appropriate products based upon the applicable Bucyrus lubricant specification (SD4711, SD4713 and SD4721 Part A) and the anticipated ambient temperature range for each application.

CERTIFIED LUBRICANT LISTING FOR "OGL-OPEN GEAR LUBRICANT (SD4713)"

Manufacturer	Product Description
Bel Ray	Molyube SF 100 Sub-Arctic 77070
Bel Ray	Molyube SF 100 Arctic 77020
Bel Ray	Molyube SF 100 Light 76990
Bel Ray	Molyube SF 100 Medium 77010
Bel Ray	Molyube SF 100 Heavy 77000
Bel Ray	Molyube Unee NS 70550
Bel Ray	Molyube Unee 70600
Bel Ray	Molyube Unee 70540
Bel Ray	Molyube SD-1 70620
Bel Ray	Molyube Gear TAC Light 68990
Bel Ray	Molyube Gear TAC Regular 68940
Bel Ray	Molyube Gear TAC Medium 68950
Castrol	Molub-Alloy 936 SF Light
Castrol	Molub-Alloy 936 SF Medium
Castrol	Molub-Alloy 936 SF Heavy
Castrol	Molub-Alloy 936 SF Heavy A
Chemtool Inc.	Alpha OGL-680
Chemtool Inc.	Alpha OGL-1860
Chemtool Inc.	Alpha OGL-3600
Haycock Petroleum	Shovel Lube OGL 1.5 Ultra

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Imperial Oil / Esso	Dynagear Heavy
Imperial Oil / Esso	Dynagear Extra
Lubritene	Lubrene Multi Serv OGL
Lubritene	Lubrene Multi Serv OGL-H
Lubritene	Lubrene OGL-e
Lubritene	Lubrene Bio Serv OGL
Petro-Canada	Vulcan Synthetic All Season
Petro-Canada	Vulcan Synthetic 2200
Petro-Canada	Vulcan Heavy
Petron	Petrotac EP Premium 30-B
Petron	Petrotac EP Premium 10-B
Schaeffer Mfg.	Silver Streak Quickvent All Season (#196ALL)
Schaeffer Mfg.	Silver Streak Quickvent Arctic (#196ARC)
Schaeffer Mfg.	Silver Streak BGL 100
Schaeffer Mfg.	Silver Streak BGL 200
Schaeffer Mfg.	Silver Streak BGL 300
Shell	Malleus Grease GL 3500
Shell	Malleus OGM Heavy
Shell	Malleus OGM Extra Heavy
Stewart Lubricants & Service Co. (SLS)	SLS BI OGL Heavy
Talcor	OGP V
Whitmore Mfg. Co.	Axiom Multiservice Mining Lubricant – Arctic / SurStik 800 – Arctic
Whitmore Mfg. Co.	Axiom Multiservice Mining Lubricant – Medium / SurStik 800 – Medium
Whitmore Mfg. Co.	Axiom Multiservice Mining Lubricant – Heavy / SurStik 800 – Heavy

CERTIFIED LUBRICANT LISTING FOR “MPG-MULTI-PURPOSE GREASE (SD4711)”

Manufacturer	Product Description
Bel Ray	Molylube AC 1000 40890
Bel Ray	Molylube AC 1000 40900
Bel Ray	Molylube AC 1000 40922
Bel Ray	Molylube LC135 67800
Bel Ray	Molylube LC135 67810
Bel Ray	Molylube LC135 67820
Bel Ray	Molylube LC135 67832
Bel Ray	Molylube LC133 67840
Bel Ray	Molylube LC133 67850
Bel Ray	Molylube LC133 67860
Bel Ray	Molylube LC133 67872
Bel Ray	Molylube LC131 27660
Bel Ray	Molylube LC131 27670
Bel Ray	Molylube LC131 27680
Bel Ray	Molylube LC131 27692

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Bel Ray	Molylube 126 EP 23200
Bel Ray	Molylube 126 EP 23220
Bel Ray	Molylube 126 EP 23242
Bel Ray	Termalene EP 72400
Bel Ray	Termalene EP 72420
Castrol	Molub-Alloy 4086-0
Castrol	Molub-Alloy 4086/460-1
Castrol	Molub-Alloy 777-1 ES
Castrol	Molub-Alloy 777-2 ES
Chemtool Inc.	CSC 174 MGD
Chemtool Inc.	CSC MP1-220
Chemtool Inc.	CSC MP1
Chemtool Inc.	CSC MP0
Chemtool Inc.	CSC MP00
Exxon	Ronex Extra Duty 2
Exxon	Ronex Extra Duty Moly 2 / Mobilgrease XHP 462 Moly
Haycock Petroleum	Calcuplex M5 NLGI #1
Haycock Petroleum	Calcuplex M5 NLGI #2
Imperial Oil	Epic EP Moly
Imperial Oil	Unirex EP 1 Moly
Lubrication Engineers	Almagard Vari-Purpose 3750
Lubrication Engineers	Almagard Vari-Purpose 3751
Lubrication Engineers	Almagard Vari-Purpose 3752
Lubrication Engineers	Almaplex Ultra-Synthetic 1299
Lubritene	Lubrene Li 500 EP 2
Lubritene	Lubrene LiM 500 EP 2
Lubritene	Lubrene AXM 1000 EP 1
Lubritene	Lubrene AXM 1000 EP 2
Lubritene	Lubrene AXM 500 EP 1
Lubritene	Lubrene AXM 500 EP 2
Lubritene	Lubrene LXCa 700 EP 2
Lubritene	Lubrene Li 900 WP EP 2
Lubritene	Lubrene EMV-2
Petro-Canada	Supreme Arctic
Petro-Canada	Supreme EP1
Petro-Canada	Supreme EP2
Petro-Canada	Precision XL 3 Moly EP1
Petro-Canada	Precision XL 3 Moly EP2
Petro-Canada	Precision XL 5 Moly EP0
Petron	Petro-Plate M5/800 NLGI #1
Schaeffer Mfg.	Moly Ultra 800 EP #1 (#221)
Schaeffer Mfg.	Moly Ultra Red EP #1 (#229)
Schaeffer Mfg.	Moly Supreme #1 (#238)
Schaeffer Mfg.	Moly EP Synthetic Blend #1 (#274)
Shell	Albida Grease HDX2
Shell	Albida Grease MDX 1
Shell	Albida Grease MDX 2
Shell	Alvania Grease SDX2

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Shell	Albida SLC 460
Shell	Limona LX1
Shell	Limona LX2
Shell	Albida HLS00
Shell	Albida HLS2
Talcor	Super HD 2-M5
Whitmore Mfg. Co.	Omnilith 500 Extreme Pressure Grease EP 0
Whitmore Mfg. Co.	Omnilith 500 Extreme Pressure Grease EP 1
Whitmore Mfg. Co.	Omnilith 500 Extreme Pressure Grease EP 2
Whitmore Mfg. Co.	Omnilith 500 M Extreme Pressure Grease EP 0
Whitmore Mfg. Co.	Omnilith 500 M Extreme Pressure Grease EP 1
Whitmore Mfg. Co.	Omnilith 500 M Extreme Pressure Grease EP 2
Whitmore Mfg. Co.	Caliber 3M Extreme Pressure Grease EP 00
Whitmore Mfg. Co.	Caliber 3M Extreme Pressure Grease EP 0
Whitmore Mfg. Co.	Caliber 3M Extreme Pressure Grease EP 1
Whitmore Mfg. Co.	Caliber 3M Extreme Pressure Grease EP 2
Whitmore Mfg. Co.	Caliber 5M Extreme Pressure Grease EP 00
Whitmore Mfg. Co.	Caliber 5M Extreme Pressure Grease EP 0
Whitmore Mfg. Co.	Caliber 5M Extreme Pressure Grease EP 1
Whitmore Mfg. Co.	Caliber 5M Extreme Pressure Grease EP 2

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**CERTIFIED LUBRICANT LISTING FOR "DRAGLINE ENCLOSED GEARCASE
LUBRICANT (SD4721 Part A)"**

Mineral Oils

Manufacturer	Product Description
Bel Ray	100 Gear Oil 140 (ISO VG 460)
Bel Ray	100 Gear Oil 250 (ISO VG 1000)
Bel Ray	100 Gear Oil 350 (ISO VG 1500)
Bel Ray	100 Gear Oil 460 SBF (ISO VG 460)
Bel Ray	100 Gear Oil 1000 SBF (ISO VG 1000)
Bel Ray	100 Gear Oil 1500 SBF (ISO VG 1500)
Exxon / Esso	Spartan EP 460 (ISO VG 460)
Exxon / Esso	Spartan EP 1000 (ISO VG 1000)
Lubritene	Lubrene Syn 1500 (ISO VG 1500)
Lubritene	Lubrene Super Series Gear Oil 1500 (ISO VG 1500)
Lubritene	Lubrene Super Series Gear Oil 1000 (ISO VG 1000)
Mobil	Mobilgear 600XP 460 (ISO VG 460)
Mobil	Mobilgear 634 (ISO VG 460)
Mobil	Mobilgear XMP 460 (ISO VG 460)
Mobil	Mobilgear 639 (ISO VG 1000)
Petro-Canada	Ultima 460 (ISO VG 460)
Petro-Canada	Ultima 1000 (ISO VG 1000)
Schaeffer Mfg.	#209A Universal Gear Lube (ISO VG 460)
Schaeffer Mfg.	#209A Universal Gear Lube (ISO VG 1000)
Schaeffer Mfg.	#294 Supreme Gear Lube (ISO VG 460)
Schaeffer Mfg.	#294A Supreme Gear Lube No Tack (ISO VG 460)
Shell	Omala 460 (ISO VG 460)
Shell	Omala 1000 (ISO VG 1000)
Shell	Omala 1500 (ISO VG 1500)
Shell	SP Plus Gear Oil (ISO VG 1500)
Talcor	Gear Oil EP (ISO VG 1000)
Whitmore Mfg. Co.	Paragon Heavy Duty Enclosed Gear Oil (ISO VG 460)
Whitmore Mfg. Co.	Paragon Heavy Duty Enclosed Gear Oil (ISO VG 1000)
Whitmore Mfg. Co.	Paragon Heavy Duty Enclosed Gear Oil (ISO VG 1500)
Whitmore Mfg. Co.	Paragon Gold High Performance Gear Oil (ISO VG 1000)

Synthetic (PAO) Oils

Manufacturer	Product Description
Bel Ray	Synthetic Gear Oil 460 (ISO VG 460)
Bel Ray	Synthetic Gear Oil 1000 (ISO VG 1000)
Lubrication Engineers	9846 Synolec Gear Lubricant (ISO VG 460)
Lubrication Engineers	9899 Synolec Gear Lubricant (ISO VG 1000)
Mobil	Mobil SHC 634 (ISO VG 460)

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Mobil	Mobilgear SHC XMP 460 (ISO VG 460)
Mobil	Mobilgear SHC 460 (ISO VG 460)
Mobil	Mobil SHC 639 (ISO VG 1000)
Mobil	Mobilgear SHC 1000 (ISO VG 1000)
Mobil	Mobilgear SHC 1500 (ISO VG 1500)
Schaeffer Mfg.	#167 Pure Synthetic Gear Lube (ISO VG 460)
Schaeffer Mfg.	#167 Pure Synthetic Gear Lube (ISO VG 1000)
Shell	Omala HD 460 (ISO VG 460)
Shell	Omala HD 1000 (ISO VG 1000)
Whitmore Mfg. Co.	GF 365 Synthetic Gear Fluid (ISO VG 460)
Whitmore Mfg. Co.	GF 365 Synthetic Gear Fluid (ISO VG 1000)
Whitmore Mfg. Co.	Decathlon HD Series Synthetic Enclosed Gear Oil (ISO VG 460)
Whitmore Mfg. Co.	Decathlon HD Series Synthetic Enclosed Gear Oil (ISO VG 1000)

LUBRICANT CERTIFICATION PROCESS:

Lubricant manufacturers seeking to certify their products should contact the following for direction:

Bucyrus International, Inc.
Engineering Services & Technical Support
1100 Milwaukee Avenue
South Milwaukee, Wisconsin 53172
Phone (414) 768-4000

REVISIONS:

This listing is subject to change without notice. Please refer to the Bucyrus International, Inc. web site www.bucyrus.com for the latest listing.