

BROADBENT

Machine Tools (Halifax) Ltd

Mytholmroyd,
Hebden Bridge,
West Yorkshire HX7 5EH

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GF/SB

16 February 1993

Kuwait Petroleum Lubricants Ltd
Knowsthorpe Gate
Cross Green Industrial Estate
LEEDS
LS9 ONP

For the attention of Mr M King - Technical Sales Adviser

Dear Sir

O.E.M. Approval

I refer to our recent discussion and acknowledge details of Q8
Lubricants relative to our range of products.

We confirm that these meet our approval.

Yours faithfully

G Flather



LUBRICANT DATA - MACHINE TOOLS

MANUFACTURER/AGENT: Broadbent Machine Tools (Halifax) Ltd., Mytholmroyd, West Yorkshire
HX7 5EH

EQUIPMENT	METHOD	CODE	GRADE	NOTE
<u>STANLEY HM, HS, HSP HOLLOW SPINDLE LATHES</u> <u>DEEP HOLE BORING MACHINES</u> <u>SLIDING GAP BED LATHES</u> <u>STANDARD CENTRE LATHES 19" 29"</u>				1
Electric Motor Bearings	Gun/Packed	XM3	Q8 SUPER LITHIUM 3	
Headstock Gears	Oil Bath/Circul.)	CB(MT)68	Q8 DYNOBEAR 68	
Feed Gearbox	Oil Bath)	G 68	Q8 EREBUS MP 68	
QPT Gearbox	Oil Bath)			
Apron Gears	Oil Bath)			
Hydraulic System	Reservoir	HM 32	Q8 HAYDN 32	
Slideways)	Centralised System	G 220	Q8 DYNOBEAR 220	2
Leadscrews)				
Grease Points	Grease Gun	XM 3	Q8 SUPER LITHIUM 3	

NOTES

1. Machines formerly manufactured by the Stanley Machine Tool Company Ltd. and developed by Hydro-Matic (Machine Tools)Ltd. following acquisition of Stanley in 1979.
2. Lubrication of these items may be by hand, as in the HS and HSP Lathes, or by automatic system, as in the HM Lathe and the Deep Hole Boring Machines.
3. Hydro-Matic literature listed grades recommended by Castrol, Mobil and Shell. No restriction is placed upon brand of lubricants used during the warranty period.

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EQUIPMENT	METHOD	CODE	GRADE	NOTE
<u>BROADBENT LATHES</u>				
<u>BL 16HSK, BLD, BLK</u>				
Electric Motor Bearings	Gun/Packed)	XM 3	Q8 SUPER LITHIUM 3	
Pulley Bearings	Grease Gun)			
Headstock & End Drive - BL 16HSK	Oil Bath	HM 32	Q8 HAYDN 32	
Feed Gearbox - BL16HSK	Oil Bath)	HL100	Q8 EREBUS MP 100	
Headstock - BLD, BLK	Oil Bath)			
End Drive & Feedbox - BLD, BLK	Oil Bath)			
Other Lubricated Parts	Oil Can/Gun)			
Apron)	Oil Bath	HM 68	Q8 EREBUS MP68	
Slideways)				
<u>BSC</u>				
Electric Motor Bearings	Gun/Packed)	XM 3	Q8 SUPER LITHIUM 3	
Grease Points	Grease Gun)			
Headstock, Feedbox	Oil Bath)	HL 150	Q8 EREBUS MP150	
Apron	Oil Bath)			
<u>BSN</u>				
Electric Motor Bearings	Gun/Packed)	XM 3	Q8 SUPER LITHIUM 3	
Tail End Bracket Bearings	Grease Gun)			
Headstock, Feedbox, End Drive Gearing	Oil Bath)	HL 68	Q8 HAYDN 68	
Apron	Oil Bath)			
Apron Half Nut	Oil Pocket)			
Bed Slideways	Oil Felt Pads)			
Screwcutting & Feed Levers)	Oil Gun			
Handwheel Boss & Chaser Dial)				
Saddle - Slides, Shafts, Bearings)				
Tailstock)				
End Drive Shafts)				
<u>BSX</u>				
Electric Motor Bearings	Gun/Packed)	XM 3	Q8 SUPER LITHIUM	
Tail End Bracket Thrust Bearings	Grease Gun)			
Headstock, Feedbox, End Drive Gearing	Circulation/)	HL 150	Q8 EREBUS MP150	
	Oil Bath)			
End Drive Gearing	Wick Feader)			
Leadscrew	Oil Can)			
Linkages	Oil Can)			
Top Slide Screw & Slides)	Oil Gun)			
Cross Slide Screw)				
Tailstock - Barrel & Bearings)				
Change Wheel Stub Shaft Bearing)				
Chaser Dial				
Apron System				
Main Bedways)	Oil Bath)	HL 320	Q8 EREBUS MP320	
Cross Slideways)	Button Oiler)			

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EQUIPMENT	METHOD	CODE	GRADE	NOTE
<u>BROADBENT CNC OIL COUNTRY LATHES</u>				
<u>MODELS 180, 275, 320, 420, 550, 635</u>				
Electric Motor Bearings	Gun/Packed	XM3	Q8 SUPER LITHIUM 3	
Headstock Hydraulic System	Circulation) Reservoir)	HM 32	Q8 HAYDN 32	
Apron	Oil Bath	HM 68	Q8 EREBUS MP 68	
Tailstock - 4 Oil Nipples	Oil Gun	HM 100	Q8 EREBUS MP100	