LUBRICATION

SERVICE INSTRUCTION LEAFLET

BENTLEY MOTORS (1931) LTD.



BM/D2(b).

SB/VA.1

Subject:

LUBRICATING OILS - ALL CARS.

Date of Issue

14th October, 1949

IMPORTANT

THE CONTENTS
OF THIS
DOCUMENT ARE
STRICTLY
CONFIDENTIAL
AND ARE NOT
TO BE
TRANSMITTED
TO ANY
UNAUTHORIZED
PERSON.

Will Retailers please note that we approve the use of the Shell X.100 Series lubricating oils, which are being introduced to replace Single, Double and Triple Shell.

These oils are designated X.100, SAE 20, 30 and 50, and should be used, when available, in all cases where Single, Double and Triple Shell were recommended.



LUBRICANTS



10,000 MILES

10,000 MILES

F O R ROLLS-ROYCE AND

10,000 MILES

10,000 MILES

REAR AXLE

	9 J. 18 61							ENGINE OILS									TRANSMISSION OILS							AXLE OIL					GREASES				
These lubricants a recommended Rolls-Royce Ltd.			by	by K CHELL			S A E 20 ENERGOL S A E 20W CASTROLITE X-100 20/20W MOBILOIL ARCTIC			V ENE	S A E 30 ENERGOL S A E 30 CASTROL XL X-100 30 MOBILOIL A			S A E 40/50 ENERGOL S A E 40 CASTROL XXL X-100 40 MOBILOIL BB			S A E 80/90 ENERGOL S A E 90 CASTROL ST DENTAX 90 MOBILUBE C90		TYPE A. AQ/ATF ENERGOL ATF TYPE A CASTROL TQ DONAX T6 MOBILFLUID 200						H.2 HYPOID ENERGOL EP S A: 90 CASTROL HI-PRESS;/CT SPIRAX 90 EP MOBILUBE GX 0			and the second of the second o			GREASE E A O SE CL OR CD Io. 2 OR E MP	H.M.P. GREASE ENERGREASE N 3 CASTROLEASE WB RETINAX A ## MOBILGREASE No. 5 OR MOBILGREASE MP	G.4 WATER PUMP GREASE ENERGREASE C 5 CASTROLEASE WATER PUMP GREASE RETINAX A OR P MOBILGREASE No. 6 OR MOBILGREASE MP
Alternative lubricants which may bused when the abover are unobtainable.			above	be ESSO				"TWENTY" NOL ESSOLUBE 20 GULFPRIDE-MOTOR 20/20W OR GULFLUBE MOTOR OIL 20/20W W.W.20			"THIRTY" NOL ESSOLUBE 30 GULFPRIDE-MOTOR 30 OR GULFLUBE MOTOR OIL 30 W.W.30			"FIFTY" NOL ESSOLUBE 40 GULFPRIDE-MOTOR 40 OR GULFLUBE MOTOR OIL 40 W.W. 50			E.P. 90 ESSO GEAR OIL 90 (MEDIUM) GULF TRANSMISSION OIL 90 G. 90		ESSO AUTOMATIC TRANS- MISSION FLUID 55		HYPOID 80 ESSO EXPEE COMPOUND 80 GULF MULTI-PURPOSE GEAR LUBRICANT 90 AMBROLINE E.P. 80		0 POSE r 90	HYPOID 90 ESSO EXPEE COMPOUND 90 GULF MULTI-PURPSE GEAR LUBRICANT 0 AMBROLINE E.P. 9		E GUL	H.B.B. ESSO MULTI PURPOSE GREASE H GULFSIL GREASE G.G.II OR GULFLEX A AMBROLINE RB OR AMBROLINE LHT		LAM. SOFT ESSO FLUID GREASE GULFSIL GREASE G.57 OR GULFLEX A AMBROLINE TC OR AMBROLINE INT		REASE SE G.57 X A IC OR	H.S.G. ESSO MULTI PURPOSE GEASE H GULFSIL GREASE G.64 OR GULFLEX A AMBROLINE HMPB OR AMBROLINE LHT	S.S. ESSO WATERPROOF GREASE GULFLEX GREASE GG.3X OR GULFLEX A AMBROLINE WP. OR
								R	O L	LS	- R	ΟY	CE											В	EN					PIDROLINE	LIII	AMOROLINE LNI	AMBROLINE LHT
	SSIS SERIES		PHAN UP TO NC-131	EF-1	ALL CHASSIS	ALL CHASSIS	20 HP ALL CHASSIS	20/25 ALL CHASSIS	ALL	WRAITH ALL CHASSIS	WTA-LTO V	WHEEL	WOF-LTO	LONG WH	FI W. I	SBA-2 TO SBA-138	SILVER D	""	SKE-2 TO	PH IV	SILVER CLOUD SWA-2	3‡ LITRE	G TO L	LITRE M E	-2-AK TOR	IARK VI	.2.MDTO	'R' TYPE	ALL	'S' TYPE	CONTIN- ENTAL 'S' TYPE FROM BC-1-AF		
ENGINE GEARBOX (NON-AUTO GEARBOX	MATIC) (AUTOMATIC	c) ,	**	**	**	**	**	**	**	** **	* H.I	* H.I	+ H.I ATF	* H.I ATF	* ATF	* H.I	* H.I	* H.I	* H.I ATF	* H.I ATF	* ATF	** **	** **	** **	* H.I	+ + H.I	* + H.I	B-250-ZY (* H.I	** H.I	ONWARDS ★	onwards ★★ H.I	Hypoid axle oil Hi-Press S/C. If t	commendation for the 'H.2'' is Castrol Special his is unobtainable, use a
STEERING REAR AXL		,	****	**** ****	* * * * H.2	* * * H.2	****	***	* * H.2	* * H.2	** H.2	* * H.2	** H.2	** H.2	* * H.2	* * H.2	* * H.2	* * H.2	* *	* * H.2	* * H.2	* * H.2	** H.2	* * H.2	** H.2	* * H.2	* * H.2	** H.2	** H.2	**	**	first quality Hypothese oils. Drain	
CHASSIS C SHOCK DA FRONT HU		S	* G.I	* G.I	** * G.I	* * * G.I	* G.I	** * G.I	* * * G.I	** * G.I	** * G.3	* * * G.3	** * G.3	** * G.3	** ATF G.3	** * G.3	* * * G.3	* * * G.3	* * * G.3	** * G.3	** ATF G.3	** * G.I	** *	** * G.I	** * G.3	** * G.3	** * G.3	** * * G.3	** * G.3	H.2 ** ATF G.3	H.2 ** ATF G.3	Rear axle showith 1 oz. of Reti	aft bearings to be filled nax 'A'. This amount is necessary when checking
WHEEL H	BEARINGS UB SHELLS SHAFT (SLIDII	NC.	G.1 G.2	G.1 G.2	G.1 G.2	G.1 G.2	G.1 G.2	G.1 G.2	G.1 G.2	G.1 G.2											G.3■	G.1 G.2	G.1 G.2	G.1 G.2						G.3■	G.3■		hassis No. 96-SK use
AND UNIVE PROPELLER (CENTRE BI PROPELLER	RSAL JOINTS) SHAFT EARING) SHAFT (FRON	★ ,	****	****	G.2 [●]	G.2	****	G.2 ▲	G.2	G.2	G.1	G.1	G.1 G.1	G.1	G.1 ▲	G.2 G.I	G.1	G.I	G.1	G.2 G.1	G.1 G.1	G.2	G.2	G.2	G.2 G.1	G.2 G.1	G.2 G.1	G.2 G.1	G.2 G.I	G.2 G.1	G.1	* * * * oil.	assis No. GKC-22 use
DISTRIBUTO CONTACT CARBURETT	TRUNNION JOI OR EUBRICATOR BREAKER CA ER	R	* G.2	* G.2	* G.2	* G.2	* G.2	* G.2	* G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	* G.2	* G.2	* G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	G.3 G.2	♥ G.3 G.2	G .3	packed with great	support ball bearing is se ("G.1") on assembly e no attention between
	MOTOR GEAR LING POINTS		* G.4	* G.4	* G.4	* G.4	* G.4	* G.4	** * G.4	* * * G.4	**	**	**	**	**	*	** *	**	**	**	* ** *	* G.4	** * G.4	* * * G.4	* ** *	* ** *	* ** *	**	* * * * *	* * * * * * * * * * * * * * * * * * * *	***	and trunnion univ	ft. Dismantle front ball versal joint every 20,000 with 1½ ozs. of Mobil-
MASTER CY RESERVOIR D.W.S. HY		CKS				X				X	_				_			_	_		^				-		_	4			^	ORANGE.	IEED BRAKE FLUID—
	ENG	INE	14	. 14	16	22	10	14	14	14	16	16	16	16	16	16	16	16	16	18	16	14	14	14	16	16	16	14	16	16	16	LUID—CRIMSON	IELD-GIRLING BRAKE I
CAPACI	RIAL REAF	RBOX R AXLE	8	8	7	8	2	2 or 4;॑© 2	4½ 2	5 TO 5 ½	6	6 1 3	6 AUTO 13	6 AUTO 20 3	20 3	6 13	6	6 1 3	6 AUTO 20	6 AUTO 20 3	20 1 	4½ 2	41/2	4 2	6	6 1 3	6	6 AUTO 20	6 AUTO 20	20 1±	6 AUTO	X1/221.	ld's ''Castraulic'' fluid
PINT		LANT	56	56	54	46 5,000	30 MILES	30	30	22	30	30	30 2,500 MII	30 LES	30	30	30	30 2,500 N	30 1ILES	44	28	24	24 00 MILE	24 ES	30	30	30	30 500 MILES	30 S	28	27	Prior to Chas	sis No. GKT-22, 2 pints.
DRAIN PERIO	GEA	GEARBOX			10,000 MI								SYNCHROME: AUTOMATIC		IROMESH DMATIC	H 10,000 MILES 20,000 MILES						10,000 MI						2,500 MILES SYNCHROMESH AUTOMATIC					

10,000 MILES