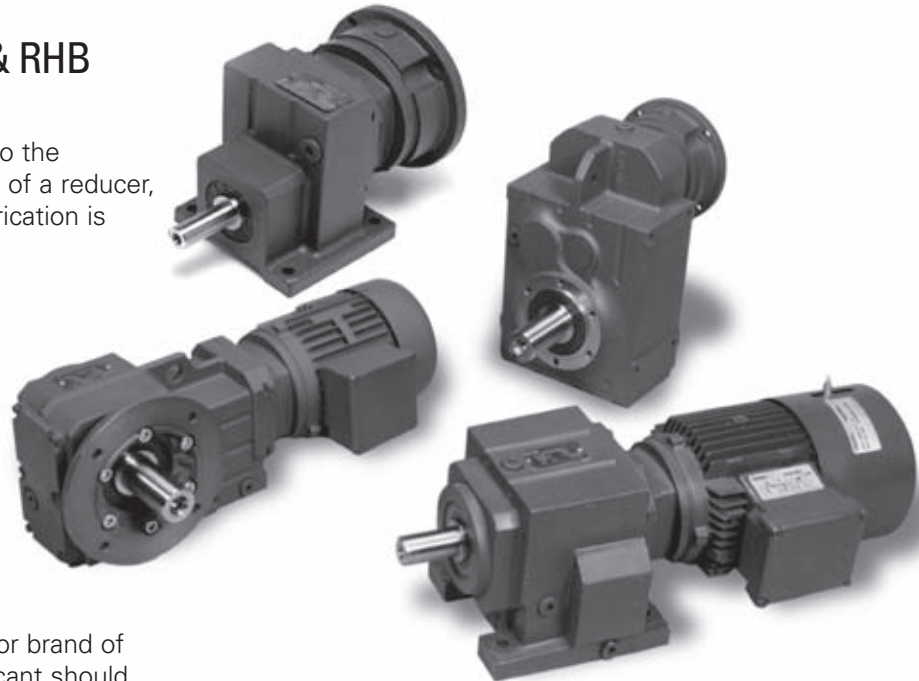


FOR QUANTIS® ILH, MSM & RHB

Among the factors that contribute to the performance and overall service life of a reducer, selection and use of the proper lubrication is very important. DODGE QUANTIS reducers are factory filled with Mobilgear 600 XP220 which is a high performance mineral oil lubricant with special additives for use in industrial gear products. Changes in the mounting position will require relocation of the oil level and vent plugs.

Different types of oil should not be mixed. If a change to another type or brand of lubricant is made, the existing lubricant should be drained and the gearcase flushed with a small quantity of the new lubricant before refilling with the new lubricant. This is necessary to avoid possible incompatibility problems between the two lubricants.

Under normal operating conditions, the initial factory fill is good for up to 10,000 hours or three years service, whichever comes first. If a synthetic lubricant is used, this period can be extended to 20,000 operating hours or six years. Harsh environments will require more frequent oil changes. Refer to the product installation and instruction manuals for detailed instructions.



ISO Grade	Lubricant Type	Volume	Ordering Part Number
150	Synthetic	Quart	41170966AP
		Gallon	41170966AR
220	Mineral w/ EP Additives	Quart	41170966AK
		Gallon	41170966AL
	Synthetic	Quart	41170966AU
		Gallon	41170966AV
320	Synthetic	Quart	41170966AY
		Gallon	41170966AZ
460	Synthetic	12 Oz	41170966AB
		Quart	41170966AE
		Gallon	41170966AF

LUBRICATION SELECTION TABLE

Ambient Temperature	Oil Type	ISO Viscosity Grade	Available Oils	Available Food Grade Oils (NSF H1)
10° F to 105° F (-12° C to 41° C)	Mineral Oil	220	Mobilgear 600 XP 220 (standard fill *)	~
-20° F to 50° F (-29° C to 13° C)	Synthetic	68	Mobil SHC 626	~
-10° F to 115° F (-23° C to 46° C)	Synthetic	220	Mobil SHC 630	~
30° F to 140° F (-0° C to 60° C)	Synthetic	460	Mobil SHC 634	~
25° F to 75° F (-4° C to 29° C)	Mineral Oil	220	~	Chevron FM 220
45° F to 105° F (7° C to 41° C)	Mineral Oil	460	~	Chevron FM 460

* previous factory fill oil was Mobilgear 630 - Mobilgear 600 XP220 and Mobilgear 630 are completely compatible with each other and do not require a flush.

Ambient temperatures listed are for lubricants only and do not indicate a particular gear unit's suitability to run in that ambient. Contact DODGE Gearing Application Engineering for application assistance.

Reducer Type	Red. Stage	Mounting position																			
		A1		A2			A3			A4		A5		A6							
		Required Volume	You Need to Purchase	Required Volume	You Need to Purchase		Required Volume	You Need to Purchase	Required Volume	You Need to Purchase	Required Volume	You Need to Purchase	Required Volume	You Need to Purchase	Required Volume	You Need to Purchase					
					Gal	Qt											Gal	Qt	Gal	Qt	Gal
ILH	H_38	1	0.15 Qt	-	1	0.6 Qt	-	1	0.4 Qt	-	1	0.5 Qt	-	1	0.25 Qt	-	1	0.25 Qt	-	1	
		2										0.80 Qt	-	1							
		3	0.60 Qt	-	1	1.20 Qt	-	2	0.70 Qt	-	1	1.00 Qt	-	1	0.70 Qt	-	1	0.70 Qt	-	1	
	H_48	1	0.25 Qt	-	1	1.10 Qt	-	2	0.75 Qt	-	1	0.75 Qt	-	1	0.6 Qt	-	1	0.50 Qt	-	1	
		2	1.20 Qt	-	2	2.60 Qt	-	3	1.60 Qt	-	2	2.00 Qt	-	2	1.70 Qt	-	2	1.40 Qt	-	2	
		3										1.60 Qt	-	2	1.50 Qt	-	2	1.50 Qt	-	2	
	H_68	1	0.55 Qt	-	1	1.95 Qt	-	2	1.55 Qt	-	2	1.85 Qt	-	2	1.05 Qt	-	2	1.10 Qt	-	2	
		2	1.90 Qt	-	2	1.09 Gal	1	1	2.70 Qt	-	3	3.40Qt	1	-	2.90 Qt	-	3	2.50 Qt	-	3	
		3	1.80 Qt	-	2	1.06 Gal	1	1	2.80 Qt	-	3	1.06 Gal	1	1	2.80 Qt	-	3	2.60 Qt	-	3	
	H_88	1	0.80 Qt	-	1	1.0 Gal	1	-	2.65 Qt	-	3	2.45 Qt	-	3	1.65 Qt	-	2	1.70 Qt	-	2	
		2	1.09 Gal	1	1	2.33 Gal	2	2	1.50 Gal	1	2	1.99 Gal	2	-	1.61 Gal	1	3	1.40 Gal	1	2	
		3	1.06 Gal	1	1	2.35 Gal	2	2	1.56 Gal	1	3	2.46 Gal	2	2	1.56 Gal	1	3	1.43 Gal	1	2	
	H_108	2	1.78 Gal	2	-	3.59 Gal	3	3	2.28 Gal	2	2	3.49 Gal	3	2	2.78 Gal	3	-	2.46 Gal	2	2	
		3	1.71 Gal	1	3	3.63 Gal	3	3	2.38 Gal	2	2	4.13 Gal	4	1	2.73 Gal	2	3	2.51 Gal	2	3	
	H_128	2	2.38 Gal	2	2	5.53 Gal	5	3	3.49 Gal	3	2	5.26 Gal	5	2	4.23 Gal	4	1	3.73 Gal	3	3	
		3	2.30 Gal	2	2	5.68 Gal	5	3	3.73 Gal	3	3	6.45 Gal	6	2	4.18 Gal	4	1	3.91 Gal	4	-	
	H_148	2	3.23 Gal	3	1	7.24 Gal	7	1	6.31 Gal	6	2	6.79 Gal	7	-	5.50 Gal	5	2	4.84 Gal	5	-	
		3	3.09 Gal	3	1	7.38 Gal	7	2	6.19 Gal	6	1	8.51 Gal	8	3	5.39 Gal	5	2	5.05 Gal	5	1	
H_168	2	4.97 Gal	5	-	11.01 Gal	12	-	8.48 Gal	8	2	12.08 Gal	13	-	9.19 Gal	9	1	7.95 Gal	8	-		
	3	4.79 Gal	5	-	11.15 Gal	12	-	8.93 Gal	9	-	14.38 Gal	15	-	9.01 Gal	9	1	8.24 Gal	8	1		
MSM	M_38	2	1.60 Qt	-	2	2.10 Qt	-	3	0.85 Qt	-	1	1.80 Qt	-	2	1.25 Qt	-	2	1.25 Qt	-	2	
		3										2.10 Qt	-	3				1.15 Qt	-	2	
	M_48	2	2.10 Qt	-	3	3.05 Qt	1	-	1.50 Qt	-	2	3.15 Qt	1	-	1.90 Qt	-	2	1.90 Qt	-	2	
		3										1.60 Qt	-	2				3.05 Qt	1	-	1.80 Qt
	M_68	2	1.19 Gal	1	1	1.54 Gal	1	3	2.95 Qt	-	3	1.26 Gal	1	2	1.00 Gal	1	-	1.00 Gal	1	-	
		3	1.16 Gal	1	1	1.50 Gal	1	2	3.05 Qt	1	-	1.69 Gal	1	3	0.98 Gal	1	-	3.80 Qt	1	-	
	M_88	2	2.30 Gal	2	2	3.09 Gal	3	1	1.78 Gal	2	-	2.73 Gal	3	-	2.06 Gal	2	1	2.11 Gal	2	1	
		3				3.01 Gal	3	1	1.71 Gal	1	3	3.33 Gal	3	2	2.04 Gal	2	1	1.99 Gal	2	-	
	M_108	2	3.80 Gal	4	-	5.05 Gal	5	1	2.35 Gal	2	2	3.97 Gal	4	-	3.11 Gal	3	1	3.18 Gal	3	1	
		3	3.68 Gal	3	3	4.96 Gal	5	-	2.40 Gal	2	2	4.99 Gal	5	-	3.09 Gal	3	1	2.96 Gal	3	-	
	M_128	2	7.31 Gal	7	2	8.99 Gal	9	-	3.75 Gal	3	3	7.31 Gal	7	2	5.68 Gal	5	3	5.70 Gal	5	3	
		3	7.16 Gal	7	1	9.14 Gal	9	1	3.94 Gal	4	-	9.11 Gal	9	1	5.63 Gal	5	3	5.44 Gal	5	2	
	M_148	2	10.51 Gal	11	-	12.95 Gal	13	-	5.76 Gal	6	-	11.36 Gal	12	-	8.38 Gal	8	2	8.33 Gal	8	2	
		3	10.28 Gal	11	-	13.05 Gal	14	-	5.89 Gal	6	-	13.64 Gal	14	-	8.24 Gal	8	1	7.83 Gal	8	-	
	M_168	2	16.73 Gal	17	-	18.51 Gal	19	-	8.48 Gal	8	2	17.41 Gal	18	-	12.98 Gal	13	-	13.00 Gal	13	-	
		3	16.38 Gal	17	-	18.65 Gal	19	-	8.64 Gal	8	3	21.05 Gal	22	-	12.79 Gal	13	-	12.18 Gal	13	-	
	RIB	B_38	3	0.50 Qt	-	1	0.90 Qt	-	1	1.10 Qt	-	2	1.50 Qt	-	2	1.00 Qt	-	1	0.95 Qt	-	1
		B_48	3	0.75 Qt	-	1	1.25 Qt	-	2	1.70 Qt	-	2	2.35 Qt	-	3	1.60 Qt	-	2	1.85 Qt	-	2
B_68		3	1.35 Qt	-	2	2.55 Qt	-	3	3.10 Qt	1	-	1.03 Gal	1	1	2.95 Qt	-	3	2.85 Qt	-	3	
B_88		3	2.30 Qt	-	3	1.21 Gal	1	1	1.56 Gal	1	2	1.96 Gal	2	-	1.30 Gal	1	2	1.23 Gal	1	1	
B_108		3	1.26 Gal	1	2	2.16 Gal	2	1	2.50 Gal	2	2	3.33 Gal	3	2	2.29 Gal	2	2	2.19 Gal	2	1	
B_128		3	2.05 Gal	2	1	3.84 Gal	4	-	5.18 Gal	5	1	6.45 Gal	6	2	4.48 Gal	4	2	4.25 Gal	4	1	
B_148		3	3.54 Gal	3	3	5.81 Gal	6	-	7.96 Gal	8	-	10.48 Gal	11	-	6.81 Gal	7	-	7.13 Gal	7	1	
B_168		3	5.35 Gal	5	2	9.03 Gal	9	1	12.06 Gal	13	-	15.99 Gal	16	-	10.61 Gal	11	-	10.18 Gal	11	-	



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