

**LUFKIN**

INDUSTRIES, INC.  
P.O. Box 849  
Lufkin, Texas 75902-0849

**OILS FOR ENCLOSED GEAR REDUCERS  
(SELECTED BY OIL COMPANY LUBRICANT ENGINEERS)**

F-472 -G 1/110/89	R & O (TURBINE TYPE) GEAR OILS								EXTREAME PRESSURE (MILD) GEAR OILS								MAXIMUM OPER. TEMP.
	Light Turbine ISO VG 32	AGMA NO. 1 ISO VG 46	AGMA NO. 2 ISO VG 68	AGMA NO. 3 ISO VG 100	AGMA NO. 4 ISO VG 150	AGMA NO. 5 ISO VG 220	AGMA NO. 6 ISO VG 320	AGMA NO. 2EP ISO VG 68	AGMA NO. 3EP ISO VG 100	AGMA NO. 4EP ISO VG 150	AGMA NO. 5EP ISO VG 220	AGMA NO. 6EP ISO VG 320	AGMA NO. 7EP ISO VG 460	AGMA NO. 8EP ISO VG 680			
AMOCO	INDUSTRIAL OIL NO. 32	INDUSTRIAL OIL NO. 46	INDUSTRIAL OIL NO. 68	INDUSTRIAL OIL NO. 100	INDUSTRIAL OIL NO. 150	INDUSTRIAL OIL NO. 220	INDUSTRIAL OIL NO. 320	PERMAGEAR EP 68	PERMAGEAR EP 100	PERMAGEAR EP 150	PERMAGEAR EP 220	PERMAGEAR EP 320	PERMAGEAR EP 460	PERMAGEAR EP 680	200° F.		
ARCO	DUFO 32	DUFO 46	DUFO 68	DUFO 100	DUFO 150	DUFO 220	DUFO 320	PENNANT NL 68	-----	PENNANT NL 150	PENNANT NL 220	PENNANT NL 320	PENNANT NL 460	PENNANT NL 680	250° F.		
CHEVRON	INDUSTRIAL OIL 32	AW MACHINE OIL 46	AW MACHINE OIL 68	AW MACHINE OIL 100	AW MACHINE OIL 150	AW MACHINE OIL 220	AW MACHINE OIL 320	NL GEAR COMP. 68	NL GEAR COMP. 100	NL GEAR COMP. 150	NL GEAR COMP. 220	NL GEAR COMP. 320	NL GEAR COMP. 460	NL GEAR COMP. 680	200° F.		
CITGO	PACEMAKER 32	PACEMAKER 46	PACEMAKER 68	PACEMAKER 100	PACEMAKER 150	PACEMAKER 220	PACEMAKER 320	EP COMPOUND 68	EP COMPOUND 100	EP COMPOUND 150	EP COMPOUND 220	EP COMPOUND 320	EP COMPOUND 460	EP COMPOUND 680	225° F.		
CONOCO	TURBINE OIL 32	TURBINE OIL 46	TURBINE OIL 68	TURBINE OIL 100	TURBINE OIL 150	TURBINE OIL 220	TURBINE OIL 320	GEAR OIL 68	GEAR OIL 100	GEAR OIL 150	GEAR OIL 220	GEAR OIL 320	GEAR OIL 460	GEAR OIL 680	225° F.		
EXXON	TERESSTIC 32	TERESSTIC 46	TERESSTIC 68	TERESSTIC 100	TERESSTIC 150	TERESSTIC 220	TERESSTIC 320	SPARTAN EP 68	SPARTAN EP 100	SPARTAN EP 150	SPARTAN EP 220	SPARTAN EP 320	SPARTAN EP 460	SPARTAN EP 680	200° F.		
IND. LUB. GENUINE	HYTURB 32	HYTURB 46	HYTURB 68	HYTURB 100	HYTURB 150	HYTURB 220	-----	EP GEAR COMP. 68	EP GEAR COMP. 100	EP GEAR COMP. 150	EP GEAR COMP. 220	EP GEAR COMP. 320	EP GEAR COMP. 460	-----	210° F.		
MOBIL	DTE 24	DTE 25	DTE 26	DTE OIL HEAVY	DTE OIL EXTRA HEAVY	DTE OIL BB	DTE OIL AA	MOBILGEAR 626	MOBILGEAR 627	MOBILGEAR 629	MOBILGEAR 630	MOBILGEAR 632	MOBILGEAR 634	MOBILGEAR 636	230° F.		
PACER	TURINO 32	TURINO 46	TURINO 68	TURINO 100	TURINO 150	TURINO 220	TURINO 320	GOLTEX GEAR 2EP	GOLTEX GEAR 3EP	GOLTEX GEAR 4EP	GOLTEX GEAR 5EP	GOLTEX GEAR 6EP	GOLTEX GEAR 7EP	GOLTEX GEAR 8EP	190° F.		
PHILLIPS	MAGNUS 32	MAGNUS 46	MAGNUS 68	MAGNUS 100	MAGNUS 150	MAGNUS 220	MAGNUS 320	A.L. PURPOSE GEAR OIL 80W	-----	-----	-----	-----	ALL PURPOSE GEAR OIL 140	-----	220° F.		
PRIMROSE	242 TURBINE EXTRA LIGHT	242 TURBINE LIGHT	242 TURBINE MEDIUM	242 TURBINE HEAVY	242 TURBINE NO. 4	242 TURBINE NO. 5	242 TURBINE NO. 6	FLEX-O-LUBE 514 2EP	FLEX-O-LUBE 514 3EP	FLEX-O-LUBE 514 4EP	FLEX-O-LUBE 514 5EP	FLEX-O-LUBE 514 6EP	FLEX-O-LUBE 514 7EP	FLEX-O-LUBE 514 8EP	250° F.		
DIAMOND SHAMROCK	T.O.Q. R&O 32	T.O.Q. R&O 46	T.O.Q. R&O 68	T.O.Q. R&O 100	T.O.Q. R&O 150	T.O.Q. R&O 220	-----	INDIGO 68	INDIGO 100	INDIGO 150	INDIGO 220	INDIGO 320	INDIGO 460	-----	210° F.		
SHELL	TURBOT 32	TURBOT 46	TURBOT 68	TURBOT 100	TURBOT 150	TURBOT 220	TURBOT 320	OMALA 68	OMALA 100	OMALA 150	OMALA 220	OMALA 320	OMALA 460	OMALA 680	230° F.		
SOHIO	ENERGOL HL 32	ENERGOL HL 46	ENERGOL HL 68	ENERGOL HL 100	ENERGOL HL 150	ENERGOL HL 220	ENERGOL HL 320	GEAR LUBE EP 68	GEAR LUBE EP 100	GEAR LUBE EP 150	GEAR LUBE EP 220	GEAR LUBE EP 320	GEAR LUBE EP 460	GEAR LUBE EP 680	200° F.		
SUN	SUNVIS 932	SUNVIS 946	SUNVIS 968	SUNVIS 9100	SUNVIS 9150	SUNVIS 9220	SUNVIS 9320	SUNEP 68	-----	SUNEP 150	SUNEP 220	SUNEP 320	SUNEP 460	-----	200° F.		
TEXACO	REGAL OIL R&O 32	REGAL OIL R&O 46	REGAL OIL R&O 68	REGAL OIL R&O 100	REGAL OIL R&O 150	REGAL OIL R&O 220	REGAL OIL R&O 320	MEROPA 68	MEROPA 100	MEROPA 150	MEROPA 220	MEROPA 320	MEROPA 460	MEROPA 680	200° F.		
UNOCAL	UNAX AW 32	UNAX AW 46	UNAX AW 68	UNAX AW 100	UNAX AW 150	UNAX AW 220	UNAX AW 320	EXTRA DUTY NL GEAR LUBE 2EP	-----	EXTRA DUTY NL GEAR LUBE 4EP	EXTRA DUTY NL GEAR LUBE 5EP	EXTRA DUTY NL GEAR LUBE 6EP	EXTRA DUTY NL GEAR LUBE 7EP	EXTRA DUTY NL GEAR LUBE 8EP	250° F.		

**SPECIFICATIONS:**

- (1) USE HIGH QUALITY WELL-REFINED PETROLEUM OIL (A TURBINE TYPE).
- (2) RUST AND OXIDATION INHIBITORS ARE REQUIRED.
- (3) AN ANTI-FOAM ADDITIVE IS REQUIRED.
- (4) MINIMUM VISCOSITY INDEX OF 90 PREFERRED.

**SPECIFICATIONS:**

- (1) USE HIGH QUALITY WELL-REFINED PETROLEUM OIL.
- (2) RUST AND OXIDATION INHIBITORS ARE REQUIRED.
- (3) AN ANTI-FOAM ADDITIVE IS REQUIRED.
- (4) MINIMUM VISCOSITY INDEX OF 90 PREFERRED.
- (5) OIL MUST HAVE NON-CORROSIVE CHARACTERISTICS TO ALL METALS ENCOUNTERED EVEN IN THE PRESENCE OF MOISTURE.
- (6) ADDITIVES IN OIL MUST NOT ACT AS ABRASIVES.

**GREASES FOR PUMPING UNIT STRUCTURAL BEARINGS  
(SELECTED BY OIL COMPANY LUBRICANT ENGINEERS)**

SUPPLIER	SOUTHERN CLIMATE (DOWN TO 0° F.)	NORTHERN CLIMATE (DOWN TO -30° F.)
AMOCO	AMOLITH ALL-WEATHER GREASE	AMOLITH ALL-WEATHER GREASE
ARCO	LITHOLINE HEP-1	LITHOLINE HEP-1
CHEVRON	ULTRA DUTY NO. 2	ULTRA DUTY NO. 2
CITGO	LITHOPLEX NO. 1 GREASE	LITHOPLEX NO. 1 GREASE
CONOCO	EP CONOLITH GREASE NO. 1	HIGH PERFORMANCE SYNTHETIC GREASE
EXXON	FOXEMP	FOXEMP
IND. LUB. GENUINE	LICOM G GREASE	LICOM G GREASE
MOBIL	MOBILITH AW 1	MOBILITH AW 1
PACER	SYNFILM 4	SYNFILM 4
PRIMROSE	327 ARMOR PLATE WITH MOLY-D	327 ARMOR PLATE WITH MOLY-D
SHELL	ALVANIA EP GREASE 2	ALVANIA EP GREASE 2
SOHIO	SUPER BEARING GARD EP 1	SUPER BEARING GARD EP 0
TEXACO	MULTIFAK EP 1	MULTIFAK EP 1

**OIL VISCOSITY RECOMMENDATIONS:**

PUMPING UNITS - AGMA NO. 4EP (AMBIENT TEMPERATURE DOWN TO -30° F.)  
AGMA NO. 5EP (AMBIENT TEMPERATURE DOWN TO 0° F.)

MARINE GEARS AGMA NO. 5EP (EXCEPT UNITS WITH HYDRAULIC CLUTCHES)

INDUSTRIAL - DUE TO SUCH A WIDE RANGE OF SIZES AND APPLICATIONS CONSULT  
GEARS LUFKIN FOR OIL VISCOSITY RECOMMENDATIONS

(OVER)