

SELCO SF - 440

WORM GEAR LUBRICANTS

SF-440 A,B & C are fully formulated synthetic lubricants specially designed for use in highly rated worm gear units. They have an extremely high viscosity index, low pour points and high load carrying capacities, and show exceptionally low coefficients of friction. Additives are incorporated to reinforce the stability of these oils, their resistance to corrosion and their resistance to scuffing under unfavorable operating conditions. These oils are capable of extremely long service.

ADVANTAGES :

SELCO SF-440 being **POLYGLYCOL**, and not mineral oil based, exhibits inherently superior properties particularly with respect to outstanding thermal stability and lubrication performance. These properties are particularly useful in heavily loaded mechanisms operating at elevated temperatures e.g. worm gears and calendar bearings.

PROVEN BENEFITS :

1. Reduced frictional losses, leading to lower sump temperatures and higher gear efficiency
2. Improved load-carrying properties and reduced wear.
3. Higher thermal stability, minimal sludge and deposit formation
4. Inherently higher viscosity index plus low pour point enable equipment to operate over a wider range of service temperature.
5. Reduced power consumption arising from easier starting, faster warm-up and lower coefficient of friction

APPLICATIONS :

SELCO SF-440 is suitable for heavy duty automotive and industrial gear boxes with sump temperatures up to 140 ° C. The product performance allows for extended drain intervals and even, in some cases, for operation as a "fill for life" lubricant. The specially developed polyglycol-additive technology of the new SELCO Synthetic Industrial Lubricants SF-440/B and SF-440/C allows thermal stable operation at temperatures in excess of 200°C. These products are therefore preferred for the lubrication of gears and bearings operating at elevated temperatures, e.g. in calendar equipment.

APPROVALS :

1. All products carry the latest David Brown approved lubricants type G approvals
2. SELCO Worm Gear Lube SF-440 is further approved for use in Fodder rear axles.
3. SELCO Worm Gear Lube SF-440 may be used in Kirkstall worm driving heads and where other manufacturers recommend a synthetic product of this type.

<u>PROPERTIES</u>				
	SF-440/130	SF-440/220	SF-440/240	TEST METHOD
Viscosity Cst at 40 ° C.	133	236	458	ASTM D445
Viscosity Cst at 100 ° C.	21	37	67	ASTM D445
Relative density 20/20 ° C.	1.000	1.020	1.017	ASTM D1298
Viscosity Index	184	210	223	ASTM D2270
Flash point ° C.	260	290	286	ASTM D92
Pour point ° C.	-30	-36	-33	ASTM D97
Neutralization value(mgKOH/g)	0.6	1.07	1.13	ASTM D664
FZG Test Conditions A/8.3/90	Pass	Pass	Pass	IP 334
	Stage 12	Stage 12	Stage 12	
A/16.6/140	Pass	Pass		IP 334
	Stage 12	Stage 12		
Corrosion-Copper strip classification	1	1	1	ASTM D130
Corrosion-Rust prevention	Pass	Pass	Pass	ASTM D665A
Foam tendency/stability, Sequence 1	10/0	10/0	10/0	ASTM D892
Sequence 2	10/0	10/0	10/0	ASTM D892
Sequence 3	10/0	10/0	10/0	ASTM D892