

## SYNTHETIC GEARBOX OILS

### PARTHAN SYN 68, 100, 150, 220, , 320, 460, 680, 1000

These are premium quality synthetic oils manufactured from the best synthetic base stocks fortified with extreme pressure additives, antifoam, antirust and antioxidation agents, thereby they have excellent oxidation resistance and thermal stability..

PARTHAN SYN grades meet IS: 8406-1993, USS 224, AGMA standard 250.04, DIN 51 517 part 3, IPSS 1-09-003-82 and Cincinnati Milacron P-63, P-77, P-57, P-35.

PARTHAN SYN Grades have outstanding oxidation stability (TOST Life > 10,000 hours) which can enhance service periods and also help in reducing temperature in service.

**PERFORMANCE :- SUPERIOR QUALITY EXTREME PRESSURE TYPE INDUSTRIAL LUBRICATING OILS FOR GEARS & BEARINGS OPERATED UNDER HEAVY & SHOCK LOAD CONDITIONS, PARTICULARLY IN THE TEMPERATURE RANGE UPTO 107°C, MEETS IS 8406 : 1993, USS 22, AGMA 250.04, DIN 51517 PART 3 AND IPSS I-09-003-97**

#### PROPERTIES :

	68		100		150		220		
SPECIFICATIONS	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	METHOD OF TEST IS 1448 ASTM OTHER
APPEARANCE	CLEAR		CLEAR		CLEAR		CLEAR		VISUAL
ASH, % WT	0.1		0.1		0.1		0.1		P 4
DENSITY @ 29.5°C, gm/cc	0.839		0.847		0.850		0.855		P 16 D 1298 IP 180
FLASH POINT, COC, °C	210		210		220		220		P 69 D 92 IP 36
CORROSION Cu STRIP @100°C, 3 HRS	1		1		1		1		P 15 D 130 IP 154
POUR POINT, °C	-33		-33		-33		-33		P 10 D 97 IP 15
EMULSION @82°C, 20 min 30 min	40-40-0		40-40-0		40-40-0		40-40-0		P 91 D 1401
FOAM TEST									P 67 D 892 IP 136
SEQ I	100/0		100/0		100/0		100/0		
SEQ II	50/0		50/0		50/0		50/0		
SEQ III	100/0		100/0		100/0		100/0		
RUST TEST A / B	PASS		PASS		PASS		PASS		D 665
VISCOSITY @40°C, cSt	62	72	95	110	135	160	210	240	P 25 D 445 IP 71
VISCOSITY INDEX	140		140		140		140		P 56 D 2270 IP 226
FOUR BALL WELD LOAD, Kgs	250		250		250		250		D 2783
TIMKEN OK LOAD, lb	65		65		65		65		D 2782 IP 240
FZG, A/8.3/90, PASS	12		12		12		12		IP 334
DEMULSIFICATION									D 2711
WATER IN OIL %	1.0		1.0		1.0		1.0		
FREE WATER, ml	80		80		80		80		
EMULSION	1.0		1.0		1.0		1.0		

**PROPERTIES :**

	<b>320</b>		<b>460</b>		<b>680</b>	
<b>SPECIFICATIONS</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>MAX</b>
APPEARANCE	CLEAR		CLEAR		CLEAR	
ASH, % WT		0.1		0.1		0.1
DENSITY @ 29.5°C, gm/cc	0.859		0.860		0.860	
FLASH POINT, COC, °C	220		230		230	
CORROSION Cu STRIP @100°C, 3 HRS	1		1		1	
POUR POINT, °C	-27		-27		-27	
EMULSION @82°C, 30 min 60 min	40-40-0		40-40-0		40-40-0	
FOAM TEST						
SEQ I		100/0		100/0		100/0
SEQ II		50/0		50/0		50/0
SEQ III		100/0		100/0		100/0
RUST TEST A / B	PASS		PASS		PASS	
VISCOSITY @40°C, cSt	300	340	440	475	625	700
VISCOSITY INDEX	140		140		140	
FOUR BALL WELD LOAD, Kgs	250		250		250	
TIMKEN OK LOAD, lb	70		70		70	
FZG, A/8.3/90, PASS	12		12		12	
DEMULSIFICATION						
WATER IN OIL %		1.0		1.0		1.0
FREE WATER, ml	80		80		80	
EMULSION		1.0		1.0		1.0

