

# MINERAL OILS RECOMMENDED FOR USE WITH DYNAMATIC GEAR PUMPS

VISCOSITY GRADE (cst @ 40 deg c)	32-46	68	100
SAE GRADE	10W RANGE	20, 20W RANGE	HEAVIER GRADES
CASTROL	Hyspin AWS 32	Hyspin AWS 68	Hyspin AWS 100
	Hyspin AWS 46	Hyspin AWH 68	Hyspin AWH 100
	Hyspin AWH 32	Hyspin VG 68	Hyspin VG 100
	Hyspin AWH 46		
	Hyspin VG 32		
	Hyspin VG 46		
	Deusol CRI 10	Deusol CRI 20	Deusol CRI 30
	Deusol CRH 10	Deusol CRH 20	Deusol CRH 30
	Castrol CRI 10	Castrol CHI 20	Castrol CRI 30
	Castrol CRB 10	Castrol CRB 20	Castrol CRB 30
	Deusol RX Super 10W	Deusol RX Super 20	Deusol RX Super 30
	Deusol RX Super 15W/40		
	Deusol CRX 10W/40		
	Castrol CRX 10W/40		
	Castrolite Castrol GTX		
	Agricastrol Multi 10W/30	Agricastrol Multi 20W/30	
	Agricastrol 10	Agricastrol 20	Agricastrol 30
	Agricastrol HDD 10	Agricastrol HDD 20	Agricastrol HDD 30
	Agricastrol ATF		
	Deusol TFA Dexron II		
	Castrol TQ Dexron II		
	Deusol TFM 33	Deusol Multiplant	Deusol TFC 330
	Castrol TQF	Alpha SP 68	Alpha SP 100
Deusol TFC 310	Alpha ZN 68	Alpha ZN 100	
ELF	Albatross 34	Albatross 73	
AGIP	Albatross 55		
	OSO 35	OSO 55	OSO 75
MOBIL	DTE 24, DTE 25, DTE 13	DTE 26, DTE 16	DTE 18, DTE 19
	DTE 15		
	DTE Oil Light	DTE Oil Heavy Medium	DTE Oil Heavy
	DTE Oil Medium		
	Vacuoline Oil 1405	Vacuoline Oil 1409	
	Super 10W/40	Mobil Super 15W/40	
	Super 10W/50	Mobil Super 15W/50	
	Delvac Special 10W/30	Delvac Special 20W/50	
	Delvac 1210	Delvac Super	
	Delvac 1310	Delvac 1220	Delvac 1230
	Monil ATF 200	Delvac 1320	Delvac 1240
	Monil ATF 210	Mobilfluid 98	Mobilfluid 422
	Monil ATF 220	Mobilfluid 316	
	Mobilfluid 423	Mobiland Universal	
		Mobiland Super	

# CONTAMINATION CHART

STANDARD		NUMBER OF PARTICLES PER 100 ML				
NAS 1638	ISO 4406	MICRON RANGE $\mu\text{m}$				
CONT. LEVEL		5 to 15	15 to 25	25 to 50	50 to 100	> 100
00	8/5	125	22	4	1	-
0	9/6	250	44	8	2	-
1	10/7	500	88	16	3	1
2	11/8	1000	178	32	6	1
3	12/9	2000	356	63	11	2
4	13/10	4000	712	126	22	4
5	14/11	8000	1425	253	45	8
6	15/12	16000	2800	506	90	16
7	16/13	32000	5700	1012	180	32
8	17/14	64000	11400	2000	360	64
9	18/15	128000	22800	4100	720	128
10	19/16	256000	45600	8100	1440	256
11	20/17	512000	91200	16200	2800	512
12	21/18	1000000	182000	32400	5800	1024

Dynamic recommends, the oil should be filtered during top-up and continuously during operation, to achieve and maintain a minimum cleanliness level of ISO 17/14.

# QUESTIONNAIRE - SINGLE PUMP

1	Customer					
2	Pump Model					
3	Flow (lpm) / Displacement (cc/rev)					
4	Application					
5	Rated rpm					
6	Working Pressure (bar)					
7	Working Pressure Peak (bar)					
8	Oil used					
9	Viscosity (cSt)					
10	Reservoir Capacity (ltrs)					
11	Oil Temperature (°C)					
12	Filtration(Suction/any other)					
13	Suction Head(Vacuum)					
14	Cavitation(if any)					
15	Direction of Rotation					
16	Type of shaft					
17	Length of Shaft from the flange surface in mm					
18	Drive Mechanism					
19	Power takeoff from gear box/Crankshaft/Camshaft/ Driveshaft/Universal joint					
20	Whether bearing support required					
21	Mounting flange Details					
22	Suction Port details					
23	Delivery port details					
24	Type of Piping					
25	Space restriction (if any)					
26	Remarks/ Suggestions					
27	Annual requirements					

# QUESTIONNAIRE - TANDEM PUMP

1	Customer					
2	Pump Model					
3	Flow (lpm) / Displacement (cc/rev)	Front Pump				
		Rear pump				
4	Application					
5	Rated rpm		Min		Max	
6	Working Pressure (bar)	Front Pump	Min		Max	
		Rear Pump	Min		Max	
7	Working Pressure Peak (bar)					
8	Oil used					
9	Viscosity (cSt)					
10	Reservoir Capacity (ltrs)					
11	Oil Temperature (°C)					
12	Filtration (Suction/any other)					
13	Suction Head (Vacuum)					
14	Cavitation (if any)					
15	Direction of Rotation					
16	Type of shaft					
17	Length of Shaft from the flange surface in mm					
18	Drive Mechanism					
19	Power takeoff from gear box/Crankshaft/Camshaft/ Driveshaft/Universal joint					
20	Whether bearing support required					
21	Mounting flange Details					
22	Suction Port details	Front Pump				
		Rear pump				
23	Delivery port details	Front Pump				
		Rear pump				
24	Type of Piping					
25	Space restriction (if any)					
26	Remarks/ Suggestions					
27	Annual Requirement					