

NANNI INDUSTRIES S.A.S
 Zone Industrielle - Avenue Mariotte - B.P 107
 33 260 LA TESTE
 Tel : 05 56 22 30 60
 Fax : 05 56 22 30 79

MOTUL France
 119 bvd Félix Faure BP 94
 93 303 Aubervilliers
 Tel : 01 48 11 70 00
 Fax : 01 48 33 28 79

LUBRIFICATION CHART

ENGINES

(Quantity to be adjusted according to engine inclination)

LUBRIFICATION CIRCUIT							COOLING CIRCUIT		
ENGINE TYPE	POWER KW	POWER CH	RPM	CAP	FREQ.	OIL TYPE	CAP	FREQ.	COOLANT
KUBOTA BASE ENGINE									
2.45 HE & ECO	7,36	10	3600	2,1	200 hours or every year	API CD minimum 15W40	2,7	400 hours or every two years	MIXTURE 50% PURE ANTIFREEZE + 50% WATER
N2.10	7,36	10	3000	1,9			2,7		
2.50 HE	10,3	14	3600	2,1			2,7		
N2.14	10,3	14	3600	1,9			2,7		
3.75 HE	15,4	21	3600	3,3			4,0		
N3.21	15,4	21	3600	3,0			4,0		
3.100 HE	21,3	29	3600	4,5			4,0		
N3.30	21,3	29	3600	4,5			4,0		
4.150 HE	27,6	37,5	3000	5,0			5,0		
N4.38	27,6	37,5	3000	5,0			5,0		
4.195 HE	29,4	40	2800	7,5			9,0		
N4.40	29,4	40	2800	7,5			9,0		
4.200 HE	31,6	43	2800	7,5			9,0		
4.220 HE	36,8	50	2800	7,5			9,0		
N4.50	36,8	50	2800	7,5			9,0		
4.200TD - N4.60	44,2	60	2800	9,0			9,0		
5.280 HE	45,6	62	2800	12,0			11,0		
5.250 TDI	62,6	85	2800	12,0			11,0		
N4.85	62,6	85	2800	9,0			9,5		
N4.100	73,6	100	2800	9,0			9,5		
4.330 TDI	84,6	115	2600	13,2	11,0				
4.340 TDI	95,7	130	2600	13,2	12,0				
N4.115	84,5	115	2600	13,0	12,0				
MAN BASE ENGINE									
4.440 E	73,6	100	2700	13,0	200 hours or every year	API CD minimum 15W40	21,5	400 hours or every two years	MIXTURE 50% PURE ANTIFREEZE + 50% WATER
6.660 E	110	150	2700	11,0			28,0		
6.660 LE	228	310	2600	11,0			30,0		



Use and recommend



NANNI INDUSTRIES S.A.S
 Zone Industrielle - Avenue Mariotte - B.P 107
 33 260 LA TESTE
 Tel : 05 56 22 30 60
 Fax : 05 56 22 30 79

MOTUL France
 119 bvd Félix Faure BP 94
 93 303 Aubervilliers
 Tel : 01 48 11 70 00
 Fax : 01 48 33 28 79

(Quantity to be adjusted according to engine inclination)

LUBRIFICATION CIRCUIT							COOLING CIRCUIT		
ENGINE TYPE	POWER KW	POWER CH	RPM	CAP	FREQ.	OIL TYPE	CAP	FREQ.	COOLANT
TOYOTA BASE ENGINE									
T 4.155	114,1	155	3600	7,7	200 hours or every year	API CD minimum 15W40	16,0	400 hours or every two years	MIXTURE 50% PURE ANTIFREEZE + 50% WATER
4.380 TDI & Z	128,8	175	3600	7,7			16,0		
4.390 TDI & Z	147,2	200	3600	7,7			16,0		
T4.165 & Z4.165	121,4	165	3400	7,7			16,0		
T4.180 & Z4.180	128,8	180	3400	7,0			15,5		
T4.200 & Z4.200	147,2	180	3400	7,0			15,5		
Z 6,300	209,8	285	3600	11,4			27,0		
T 6.300	220,8	300	3600	11,4			27,0		
6.420 TDI	235,5	320	3600	11,4			27,0		
T4.230 & Z4.230	169.1	230	3600	7,0			15,5		
T4.270 & Z4.270	194.9	265	3600	7,0			15,5		
VM MOTORI BASE ENGINE									
H4.115	84,5	115	3000	5,2	200 hours or every year	API CF minimum 10W40	7,7	400 hours or every two years	MIXTURE 50% PURE ANTIFREEZE + 50% WATER
H4.130	95,7	130	4000	5,2			7,7		
H4.150	110,4	150	4000	5,2			7,7		
H4.170	125,1	170	4000	5,2			7,7		
V6.270	198,7	270	3800	13,6			7,5		
V6.320	235,5	320	3800	13,6			7,5		
V6.350	257,6	350	3800	13,6			7,5		



Use an recommand



NANNI INDUSTRIES S.A.S
 Zone Industrielle - Avenue Mariotte - B.P 107
 33 260 LA TESTE
 Tel : 05 56 22 30 60
 Fax : 05 56 22 30 79

MOTUL France
 119 bvd Félix Faure BP 94
 93 303 Aubervilliers
 Tel : 01 48 11 70 00
 Fax : 01 48 33 28 79

GEAR BOXES

(Quantity to be adjusted according to engine inclination)

TECHNODRIVE GEAR BOXES			
Gear boxes Models	Capacity	Frequency	Oil type
MECHANICAL GEAR BOXES			
TMC 40 M	0,2	200 hours or every year	ATF
TMC 60 M	0,8		
TMC 260	0,8		
HYDRAULIC GEAR BOXES			
TM 345 A / TM 345 H	1,6	200 hours or ever year	API CD Minimum 15w40
TM 485 A	2,6		
TM 93 / TM 93 A	2,5		
TM 200 B	4,0		
SAIL DRIVE			
TECHNODRIVE SAIL DRIVE	3,0	400 hours or every year	ATF

TWIN-DISC GEAR BOXES			
HYDRAULIC GEAR BOXES			
MG 5010 / MG 5010 A	1,7	1000 hours or evrey 6 month	SAE 30
MG 5050 / MG 5050 A	2,7		
MG 5061 / MG 5061 A	3,7		

ZF - HURTH MARINE GEAR BOXES			
MECHANICAL GEAR BOXES			
ZF 5M / ZF 10 M	0,30	200 hours or every year	ATF
ZF 12 M / ZF 15 M	0,55		
ZF 15 MA	0,50		
ZF 15 M IV	1,00		
ZF 25 M	0,75		
HYDRAULIC GEAR BOXES			
ZF 25 A	2,0	200 hours or every year	ATF
ZF 45 A	2,5		
ZF 45	3,5		
ZF 63 / ZF 63 A	3,5		
ZF 63 IV	4,5		
ZF 80 A	5,0		
ZF 80 IV	7,5		
SAIL DRIVE			
ZF SAIL DRIVE	3,0	300 hours or every year	API CD minimum 15w40

KANZAKI GEAR BOXES			
HYDRAULIC GEAR BOXES			
TTM 40 A	1,7	250 hours or every year	SAE 30
TTM 50 A	2,0		
MECHANICAL GEAR BOXES			
TTMC 4 A	2,3	250 hours or every year	SAE 30
TTMC 5 A	2,6		
TTMC 35 A	0,65		
TTMC 35 P	0,5		