

# QUICK GUIDE



## CONSTRUCTION & MINING FLUIDS



### SUPER TRACTOR OIL UNIVERSAL (STOU)

LUBRICANTS	CORS 10W-30 FE	CORS 15W-40
PRODUCT CODE	3501	3502
SAE VISCOSITY	10W-30	15W-40
SAPS*	LOW	FULL
<b>STANDARDS</b>		
ACEA	E11, E9, E7, E5, A3 / B4	E7, E5
AFNOR	-	-
API	GL-4 / SAE 30 CK-4 CJ-4 / CI-4 PLUS / CI-4 / CH-4 SL	GL-4, CI-4, CH-4
ISO	VG 46 (After 100h) / HV 46	VG 68 (After 100h) / HV
JASO	DH-1 / DH-2	DH-1
DIN	-	-
<b>OEM SPECIFICATIONS</b>		
ALLISON	TES 439, C4	C4
CASE	Tier 4F engines, MS1230, MAT 3622, MAT 3572, MAT 3571, MAT 3509	MS1230
CATERPILLAR	TO-4 (SAE 10W-30), SATO, HYDO ADVANCED 10 / 30, HYDO ADVANCED 10W, 20-30, ECF-3 / ECF-2 / ECF-1a	TO-4M, TO-4, ECF-2
CUMMINS	CES 20086 / 81 / 78 / 77 / 76	CES 20078 / 77 / 76
DAF	PSQL 2.1 E	-
DAIMLER TRUCK	DTFR 15B110, DTFR 15C100	DTFR 15B110
DANA	GEARBOXES	-
DETROIT DIESEL	DFS 93K222	-
DEUTZ	DQC-III-18 LA, DQC-III-10 / 10 LA	-
EATON VICKERS	GEARBOXES	-
FORD	WSS-M2C171-F1	-
GLOBAL	DHD-1	DHD-1
HITACHI	Tier 4F engines	-
JCMA	HK 46W (extend.drain), HK VG46L (Japan.OEM's)	HK 68W
JD	-	-
KOMATSU	Tier 4F engines, HO56-HE, HO-MVK, HO-46 (HV), GEARBOXES, CLUTCH: TO-10,30	HO-68, CLUTCH: TO-40
LIEBHERR	Tier 4F engines, Hydraulic Systems	-
MACK	EO-S 4.5, EO-O Premium Plus	-
MAN	M3775, M3275-1 / M3575	M3275
MB	<b>MB-APPROVAL 228.31</b> 228.3	228.3
MTU	Oil Category 2.1 / 2	Oil Category 2
NH	-	NH 330H
RENAULT	RLD-4 / RLD-3 / RLD-2	RLD 2 / RLD
SAUER SUNSTRAND/ DANFOSS	-	-
VOLVO	VDS-4.5 / VDS-4 / VDS-3	VDS-3
ZF	TE-ML 07D	TE-ML 07D
<b>PACKAGING</b>		
5L	-	-
20L	1051748	1051752
60L	1051736	1051753
205L	1051749	1051754
1000L	1051750	1051755

Approved specification.  
\*SAPS (Sulphated Ash and Phosphorus Suphur).

Before use, always refer to the owner manual or handbook of the vehicle.  
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# QUICK GUIDE



## CONSTRUCTION & MINING FLUIDS



### UNIVERSAL TRANSMISSION TRACTOR OIL (UTTO)

AUTOMATIC TRANSMISSIONS, HYDRAULIC SYSTEMS, WET BRAKES, CONVERTORS FOR TRACTORS, FORKLIFTS

LUBRICANTS	TRACTOFLUID 170 BM	TRACTOFLUID 170	TRACTOFLUID 50
PRODUCT CODE	23121	3121	3119
SAE VISCOSITY	80W-80	80W-80	75W-80
<b>STANDARDS</b>			
API	GL-4	GL-4	GL-4
<b>OEM SPECIFICATIONS</b>			
AGCO/ALLIS	-	-	821 XL
ALLISON	C4	C3 / C4	-
CASE	MAT 3540, MAT 3525, MAT 3505, MS1210, MS1209, MS1207, MS1206	MAT 3525, MAT 3505	MAT 3526, MAT 3525, MAT 3505
CATERPILLAR	TO-2	TO-2	-
CLAAS	-	-	RENAULT AGRICULTURE
FORD	FNHA-2-C-201.00, ESN-M2C-134 C / D, ESN-M2C-86 C, ESN-M2C-86 A / B	M2C-86A, ESN-M2C-86 C, ESN-M2C-134 C / D	FNHA-2-C-201.00, ESN-M2C134 D
JD	J20 C / D	J20 C / D	J20 D
KOMATSU	KES 07.866	-	SUPER UDT <sup>2</sup> , UDT
KUBOTA	UDT	-	-
MC CORMICK	-	-	HTX
MF	M 1145, M 1143, M 1135, M 1127 / M 1129A	NH 410B, M 1143, M 1129A, M 1127	M 1145, M 1143
NH	NH 410B	-	NH 410B / C
VALTRA	G2-B10, G2-08	-	G2-B10, G2-08
VOLVO	97303 / WB101	-	97304 / WB102, 97303 / WB101
ZF	TE-ML 21F, 17E, 06K, 05F, 03E, 06T, 06R, 06P, 06N, 06M, 06H, 06F, 06D, 06B	17E, 05F, 03E	TE-ML 21F, 17E, 06R, 06N, 06K, 06D, 05F, 03E
<b>PACKAGING</b>			
5L	8328664	-	-
20L	8312267	8307065	8323119
60L	8312465	8307263	8324772
205L	8312564	8307362	8324475
1000L	8312663	8307461	8324697

### TRANSMISSION & DRIVE TRAIN OIL (TDTO)

POWER SHIFT TRANSMISSIONS, CLUTCHES & BRAKES, FINAL DRIVES, BEVEL GEARS & DIFFERENTIALS

LUBRICANTS	TDTO SAE 10W	TRACTOFLUID 500 (SAE 30)	TRACTOFLUID 600 (SAE 50)
PRODUCT CODE	3125	3123	3124
SAE VISCOSITY	10W	30	50
<b>STANDARDS</b>			
API	-	GL-4, CF	GL-4, CF
<b>OEM SPECIFICATIONS</b>			
ALLISON	C4	TES 439, C4	C4
CATERPILLAR	TO-4, TO-2	TO-4, TO-2	TO-4, TO-2
EATON VICKERS	M-2950-S, I-280-S	M-2950-S, I-280-S	M-2950-S, I-280-S
KOMATSU	KES 07.868.1	KES 07.868.1	KES 07.868.1
ZF	TE-ML 03C	TE-ML, 07F, 03C, 07D	-
<b>PACKAGING</b>			
5L	-	-	-
20L	8325403	8308260	8317880
60L	8319198	8308468	8318085
205L	8315299	8308567	8318184
1000L	8335143	8308666	8318283

# QUICK GUIDE



## CONSTRUCTION & MINING FLUIDS



### CATERPILLAR FINAL DRIVES

LUBRICANTS	AXLE FD-1 SAE 50	AXLE FD-1 SAE 60
PRODUCT CODE	3351	3352
SAE VISCOSITY	50	60
OEM SPECIFICATIONS		
CATERPILLAR	FD-1	FD-1
PACKAGING		
5L	-	-
20L	-	-
60L	-	-
205L	8333088	8333187
1000L	-	-

### DRIVELINE FLUIDS

LUBRICANTS	OFFICIALTECH SAE 80W ZF GL 4	OFFICIALTECH 75W90 GL 5	VITALTECH 75W90 GL 5	VITALTECH 80W90 GL 5	OFFICIALTECH 80W90 LS GL 5	OFFICIALTECH 85W90 M GL 5	EXTENDTECH 80W140 GL5	EXTENDTECH 85W140 GL 5
PRODUCT CODE	2212	2315	2305	2312	3350	23310	2311	2309
SAE VISCOSITY	80W	75W-90	75W-90	80W-90	80W-90	85W-90	80W-140	85W-140
APPLICATIONS	MGO	MGO & AO	MGO & AO	MGO & AO	AO	AO	AO	AO
STANDARDS								
API	GL-4	GL-5, GL-4, MT-1	GL-5, GL4, MT-1	GL-5, GL-4, MT-1	GL-5	GL-5	GL-5	GL-5
SAE	-	J 2360	J 2360	J 2360	-	-	-	-
OEM SPECIFICATIONS								
ARVIN MERITOR	-	-	0-76-N	0-76-N	AXLES	-	-	-
BMW	-	83 22 9 407 768 83 22 2 365 987 83 22 2 148 570 33 11 7 695 240 OSP	OSP	-	-	-	-	-
DAF	-	MEET REQUIREMENTS	GL5 / MIL-PRF-2105E	GL5 / MIL-PRF-2105E	-	GL-5 / MIL-L 2105D	-	-
IVECO	-	MEET REQUIREMENTS	MIL-PRF-2105E	MIL-PRF-2105E	-	-	-	-
FORD	-	-	-	-	WSS-M2C197- A+WSS-M2C118-A	-	-	-
GM	-	-	-	-	9121965, 1942387	-	-	-
MACK	-	-	GO-J	GO-J	-	-	-	-
MAN	341 Z-2, 341 E-1	342 S1, 341 Z2	342 M-3, 341 Z-2, 341 E-3	342 M-2, 341 Z-2, 341 E-2	-	342 M-1	342-M-2 342-M-1	-
MB	MB-APPROVAL 235.1	MB-APPROVAL 235.8 235.11	235.11 235.8	235.0	-	MB-APPROVAL 235.0	-	-
RENAULT	-	-	B0032 / 3 ANNEX 3	B0032 / 3 ANNEX 3	-	RECOM. GL-5	-	-
SCANIA	-	STO 2:0A FS STO 1:0 STO 1:1G	STO 1:0	STO 1:0	-	-	-	-
VOITH	-	-	-	-	-	3.325-339	-	-
VOLVO	-	97312	97312	-	-	97316, 97310	-	-
ZF	TE-ML 19C, 17A, 16A, 02B	TE-ML 21A, 19C, 17B, 16F, 12N, 12L, 05A, 02B	TE-ML 21B, 19C, 17B, 16F, 12N, 12L, 12B, 08, 07A, 05B	TE-ML-21A, 19B, 17B, 16D, 16C, 16B, 12M, 12L, 12E, 08, 07A, 05A, 02B	TE-ML 21C, 05C, 12C, 08, 07A	TE-ML 21A, 19B, 17B, 16D, 16C, 16B, 07A	TE-ML 19B, 17B, 16D, 16C, 16B, 12E, 07A, 05A	TE-ML 19B, 17B, 16D, 16C, 16B, 12E, 07A, 05A
PACKAGING								
5L	-	8333262	8304002	-	-	-	-	8304705
20L	8318481	8333965	8304453	8308055	8330964	8318986	8307454	8306853
60L	8318580	8330063	8304651	8308253	8331060	8319082	8307652	8307058
205L	8318689	8334061	8304750	8308352	8331169	8319181	8307751	8307157
1000L	8318788	8334160	8304859	8308451	8331268	8319280	8307850	8307256

### LEGEND

MGO = Manual Gear Oil | AO = Axle Oil | ATF = Automatic Transmission Fluid

# QUICK GUIDE



## CONSTRUCTION & MINING FLUIDS



### AUTOMATIC TRANSMISSION FLUIDS

LUBRICANTS	OFFICIALTECH MULTI VEHICLE ATF HD-LD	OFFICIALTECH MULTI VEHICLE ATF HD-ND	VITALTECH ATF D III
PRODUCT CODE	3015	3018	3006
OEM SPECIFICATIONS			
ALLISON	-	C4	C4
FORD	WSS-M2C195-A	MERCON	MERCON
GM	DEXRON III-G	DEXRON III-H	DEXRON III-H DEXRON II-D 6417-M DEXRON III-G
MAN	339 Z12 339 Z3 / V3 339 V12 339 V2 339 V1	339 Z11 339 V2 / Z2	339 V1 / Z1
MB	236.9 236.8 236.7 236.6	236.9	236.9 236.8 236.7 236.6 236.5
VOITH	150.014524.XX H55.6336XX H55.6335XX	H55.6336XX	H55.6335XX
VOLVO	STD 1273,42 (97342) STD 1273,41 (97341) STD 1273,40 (97340)	STD 1273,41 (97341) STD 1273,40 (97340)	STD 1273,41 (97341) STD 1273,40 (97340) STD 1273,37 (97337) STD 1273,35 (97335) STD 1273,25 (97325)
ZF	TE-ML 25C, 20C, 16S, 16M, 14C, 04D, 03D	TE-ML 20B, 17C, 16L, 14C, 14B, 14A, 04D, 03D	TE-ML 21L, 17C, 14A, 11B, 09, 05L, 04D, 03D
PACKAGING			
5L	-	-	8305405
20L	8338229	1049511	8302862
60L	8338328	1049512	8303067
205L	8338427	1049513	8303166
1000L	8337727	-	8303265

Approved specification.

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