

A large yellow excavator is the central focus, positioned on a mound of earth. Its arm is extended towards the right. In the background, a multi-story building is under construction, surrounded by scaffolding. Two cranes are visible against a clear blue sky. The overall scene is a busy construction site.

Mobil ServSM

Performance by **ExxonMobil**

Construction products quick reference guide

A single source to quickly and easily identify typical properties, applications, specifications and approvals of construction equipment lubricants.

Oils

Lubricant	Viscosity				Type application(s) ¹				Specs/approvals ²					Notes
	V40	V100	VI	Pour Point (F)	Engine	Transmission	Differential/ Final/Planetary	Hydraulic (and hydrostatic)	PS-386	API GL-5	Caterpillar TO-4 ³	Caterpillar 900 ppm zinc	Volvo WB 101 ⁴	
Mobilfluid™ 424 ("tractor fluid")	55	9.3	145	-44	-	x	x	x	-	-	-	x	x	API GL-4 rated
Mobilfluid™ LT ("low-temp tractor fluid")	34	7.2	180	-49	-	x	x	x	-	-	-	x	-	-
Mobiltrans™ HD 30	100	11.2	97	0	-	x	x	-	-	-	x	x	-	Common powershift oil
Mobiltrans™ AST	107	14.2	134	-38	-	x	x	x	-	-	x	x	-	TO-4M; for low temp, X-drains
Mobil Delvac 1™ Transmission Fluid Arctic	81	12.2	146	-60	-	x	x	-	-	-	x	x	-	For low temp, X-drains
Mobil Delvac 1™ Transmission Fluid 50	132	17.5	146	-49	-	x	-	-	-	-	-	-	-	Manual transmissions
Mobil Delvac 1™ Transmission Fluid 40	95.1	14.8	163	-42	-	x	-	-	x	-	-	-	-	Primarily Eaton (TF 40)
Mobil Delvac 1™ Transmission Fluid V30 75W-80	54	9.2	152	-60	-	x	-	-	-	-	-	-	-	Volvo 97307 & 97318
Mobil Delvac 1™ Transmission Fluid MTB 75W-90	96	14.7	159	-45	-	x	-	-	-	-	-	-	-	MB Approval 235.11
Mobiltrans™ HD 50	195	18	100	5	-	-	x	-	-	-	x	x	-	Mainly finals/axles
Mobiltrans™ HD 60	340	25.2	96	10	-	-	x	-	-	-	x	x	-	Mainly finals/axles
Mobil Delvac 1™ FDAO	320	31.6	138	-49	-	-	x	-	-	-	-	-	-	Mainly finals/axles
Mobilube™ XFD 50	206	18.4	97	-11	-	-	x	-	-	-	-	-	-	For large machine drives
Mobilube™ XFD 60	334	25.2	97	5	-	-	x	-	-	-	-	-	-	For large machine drives
Mobilube™ HD Plus 80W-90	139	14.5	103	-17	-	-	x	-	-	x	-	-	-	-
Mobilube™ HD Plus 85W-140	333	25.4	99	0	-	-	x	-	-	x	-	-	-	-

1 - General guidance; evaluate operational conditions and OEM recommendations.

2 - See product data sheet for "meets requirements," builder approvals and recommendations for each lubricant.

3 - Use in Caterpillar (and other OEM) transmissions and wet brake applications. TO-4 tests include elastomer, oxidation, gear wear and friction mtl.

4 - Volvo WB 101 (Wet Brake) specification is similar to Cat TO-4 for use in wet brake and clutch applications.

Oils (continued)

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Mobil Delvac 1™ Gear Oil 75W-90	120	15.9	140	-54	-	-	x	-	-	x	-	-	-	-
Mobil Delvac 1™ Gear Oil 80W-140	310	31.2	139	-33	-	-	x	-	-	x	-	-	-	-
Engine oils (in general)-xW-30s NOT LISTED	-	-	-	-	x	x	-	x	-	-	-	x	-	Check application
Mobil Delvac 1™ ESP 5W-40	84	13.8	150	-54	x	x	-	x	-	-	-	x	-	Check application
Mobil Delvac™ 1300 Super 15W-40	109	14.1	130	-27	x	x	-	x	-	-	-	x	-	Check application
Mobil Delvac™ HDEO 15W-40	112	14.2	132	-16	x	x	-	x	x	-	-	x	-	Check application
Mobiltrans™ HD 10W	42	6.3	96	-27	-	x	-	x	-	-	x	x	-	-
Mobil™ Hydraulic 10W	37.7	6.1	107	-22	-	-	-	x	-	-	-	x	-	-
Mobil DTE 10 Excel™ 32	32.7	6.6	164	-65	-	-	-	x	-	-	-	-	-	0 ppm zinc; wide temp range
Mobil DTE 10 Excel™ 46	45.6	8.5	164	-49	-	-	-	x	-	-	-	-	-	0 ppm zinc; Hitachi
Mobil DTE 10 Excel™ 68	68.4	11.2	156	-38	-	-	-	x	-	-	-	-	-	0 ppm zinc; wide temp range
Mobil Unavis™ N 32	32	6.4	151	-54	-	-	-	x	-	-	-	-	-	Low temps
Mobil Unavis™ N 46	46	8.2	152	-54	-	-	-	x	-	-	-	-	-	Consolidation; 2K Hr
Mobil Unavis™ N 68	68	11	151	-44	-	-	-	x	-	-	-	-	-	-
Mobil Nuto™ H 32, 46, 68	-	-	-	-	-	-	-	x	-	-	-	-	-	Price-sensitive deals

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Off-highway greases

Grease	Type	Color	Base oil viscosity ¹	NLGI grade ²	Moly %	Notes ³
Mobil Centaur XHP™ 152	Calcium sulfonate	Gray	150	2	5	-
Mobil Centaur XHP™ 151	Calcium sulfonate	Gray	150	1	5	-
Mobil Centaur XHP™ 150	Calcium sulfonate	Gray	150	0	5	-
Mobil Centaur™ Moly 2	Calcium sulfonate	Gray	320	1	3	-
Mobil Centaur™ Moly 1	Calcium sulfonate	Gray	320	2	3	-
Mobil Centaur XHP™ 462 Mine	Calcium sulfonate	Gray	460	2	5	-
Mobil Centaur XHP™ 461 Mine	Calcium sulfonate	Gray	460	1	5	-
Mobil Centaur XHP™ 462	Calcium sulfonate	Amber	460	2	-	-
Mobil Centaur XHP™ 461	Calcium sulfonate	Amber	460	1	-	-
Mobil Centaur XHP™ 221	Calcium sulfonate	Amber	220	1	-	Typically for paper machines
Mobilgrease XHP™ 322 Mine	Lithium complex	Gray	320	2	5	-
Mobilgrease XHP™ 321 Mine	Lithium complex	Gray	320	1	5	-
Mobilgrease XHP™ 100 Mine	Lithium complex	Gray	100	0	5	-
Mobilgrease XHP™ 320 Mine	Lithium complex	Gray	320	0	5	-
Mobilgrease XHP™ 681 Mine	Lithium complex	Gray	680	1	5	Komatsu Mining
Mobilgrease™ CM-P	Lithium complex	Gray	320	2	3	-
Mobilgrease™ CM-L	Lithium complex	Gray	150	1	3	-
Mobilgrease™ CM-S	Lithium complex	Orange	320	2	-	-
Mobilgrease™ XHP CM-W	Lithium complex	Orange	150	1	-	-

1 - cSt @ 40°C.

2 - Temp after delivery to application. Evaluate dispensing system/method prior to grease recommendation or NLGI Grade recommendation.

3 - Check stock plan for up-to-date package sizes.

Off-highway greases (continued)

Grease	Type	Color	Base oil viscosity ¹	NLGI grade ²	Moly %	Notes ³
Mobilgrease XHP™ 222	Lithium complex	Blue	220	2	-	General purpose applications
Mobilgrease XHP™ 222 Special	Lithium complex	Gray	220	2	0.75	-
Mobilgrease XHP™ 221	Lithium complex	Blue	220	1	-	-
Mobilgrease XHP™ 220	Lithium complex	Blue	220	0	-	-
Mobilgrease XHP™ 462 Moly	Lithium complex	Gray	460	2	3	-
Mobilgrease XHP™ 462	Lithium complex	Blue	460	2	-	-
Mobilgrease XHP™ 461	Lithium complex	Blue	460	1	-	-
Mobil Delvac™ Extreme Grease	Lithium complex	Orange	320	2	-	General purpose applications
Mobil SHC™ Grease 102 EAL	Lithium	Tan	100	2	-	Biodegradable, nontoxic
Mobil SHC™ Grease 101 EAL	Lithium	Tan	100	1	-	Biodegradable, nontoxic
Mobil SHC™ Grease 68 Moly	Lithium complex	Gray	68	0	5	Low-temp grease
Mobilith SHC™ 007	Lithium complex	Red	460	00	-	Semifluid grease applications

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