

# LUBRICANT AND FLUID APPLICATIONS

## COMMERCIAL VEHICLES - EURO VI

### LONG HAUL RANGE T

ENGINE LUBRICANT		RENAULT TRUCKS OILS		USE		OIL DRAIN INTERVAL (ODI) <sup>a</sup>						
Engine	Oil	Capacity	Oil	Interval	Interval	Interval	Interval					
T520 T480 T440	DTI 13 Step D	35	RLD-5 MAXEON RLD-5 ECO 5W-30	74 23 390 408 (x2 ULL) Possible kit : 74 23 898 612 (ULL)	L M H S VS VS+	150 110 90 65 45 20	2500 2200 1800 1500 1200 900					
				74 23 386 958 (x2 LL) Possible kit : 74 23 880 697 (LL)	L M H S VS VS+	100 75 60 45 30 15	1700 1500 1200 1000 800 600					
T440 T430 T380	DTI 11 Step B	36,5	RLD-3 MAXEON XE6 ECO 5W-30 MAXEON ME6 ECO 10W-30 MAXEON CRX ECO 10W-30	74 23 114 217 (x1) 74 23 658 103 (x2)	L M H S VS VS+	75 60 45 35 20 15	1250 1200 900 750 600 600					
				74 23 114 217 (x1) Possible kit : 74 23 880 701 (LL)	L M H S VS VS+	75 60 45 35 20 15	1250 1200 900 750 600 600					
<b>COOLANT</b>												
Cooling system	DTI 13 + VOITH	58	41-01-001/-5 Type D	ULTRACOOING PLUS	L, M, H, S VS, VS+	500	4 years					
	DTI 13	45										
	DTI 11 + VOITH	46,5										
	DTI 11	33,5										
<b>GEARBOX LUBRICANT</b>												
Optidriver Without Crawler	AT2412/D/E/F, AT2612/D/E/F, ATO2612/D/E/F	16	97307 97315	LONGEVIA BVZ ECO 75W-80 LONGEVIA BVHD 75W-90	74 22 051 238 (x1)	L, M, H, S VS	450 200	3 years				
	Power take-off	0,8										
Optidriver Crawler/Ultra Crawler	AT2612F, ATO2612F	17,6	97315	LONGEVIA BVZ ECO 75W-80 LONGEVIA BVHD 75W-90	74 22 419 050 (x1)	L, M, H, S VS	450 200	3 years				
	Power take-off	0,8										
Manual B14	VT2214B, VT2514B, VTO2214B, VTO2514B	13,5	97315	LONGEVIA BVHD 75W-90	74 22 419 050 (x1)	VS+	-	2500				
	Power take-off	0,8										
Retarder VOITH <sup>®</sup>	RET TH	5,6	VOITH Class C	LONGEVIA BVZ ECO 75W-80	-	L, M, H S VS	200 150 100	2 years				
	Power take-off	0,8										
<b>AXLE LUBRICANT</b>												
Rear axle	RSH 1370F (P1361)	18 + 2x2	97312	LONGEVIA TCX ECO 75W-90	-	L, M, H, S VS	450 200	3 years				
	RSS 1344 C/D/E, RSS 1352A (P13170, P13170E, P13170ER)	11							API GL-5 or SAE J2360	L, M, H, S VS	120 60	1 year
	RSS 1360 (P13180)	14,5							SAE J2360	L, M, H, S VS	120 60	1 year

<sup>a</sup> Oil drain interval is reduced when ambient temperature is above 40°C more than 25 hours / year  
<sup>b</sup> When outside temperature average exceeds 30°C, whether vehicle is driven in difficult conditions of frequently on very steep road conditions, SAE 80W-140 oil or 97312 transmission oil is recommended.

### CONSTRUCTION RANGE C

ENGINE LUBRICANT		RENAULT TRUCKS OILS		USE		OIL DRAIN INTERVAL (ODI) <sup>a</sup>		
Engine	Oil	Capacity	Oil	Interval	Interval	Interval	Interval	
C520 C480 C440	DTI 13 Step D	35	RLD-5 MAXEON RLD-5 ECO 5W-30	74 23 390 408 (x2 ULL) Possible kit : 74 23 898 612 (ULL)	L M H S VS VS+	150 110 90 65 45 20	2500 2200 1800 1500 1200 900	
				74 23 386 958 (x2 LL) Possible kit : 74 23 880 697 (LL)	L M H S VS VS+	100 75 60 45 30 15	1700 1500 1200 1000 800 600	
C520 C480 C440	DTI 13 Step B / C	37 (steel) 33 (plastic)	RLD-3 MAXEON XE6 ECO 5W-30 MAXEON ME6 ECO 10W-30 MAXEON CRX ECO 10W-30	74 23 114 217 (x1) 74 23 658 103 (x2)	L M H S VS VS+	75 60 45 35 20 15	1250 1200 900 750 600 600	
				74 23 114 217 (x1) Possible kit : 74 23 880 701 (LL)	L M H S VS VS+	75 60 45 35 20 15	1250 1200 900 750 600 600	
C440 C430 C380	DTI 11 Step B	36,5	RLD-3 MAXEON XE6 ECO 5W-30 MAXEON ME6 ECO 10W-30 MAXEON CRX ECO 10W-30	74 23 476 568 (x1)	L M H S VS VS+	100 75 60 45 35 20	1200 1200 900 750 600 600	
				74 23 114 217 (x1) Possible kit : 74 23 880 701 (LL)	L M H S VS VS+	75 60 45 35 20 15	1200 1200 900 750 600 600	
C320 C280 C250	DTI 8	24	RLD-3 MAXEON XE6 ECO 5W-30 MAXEON ME6 ECO 10W-30 MAXEON CRX ECO 10W-30	74 23 476 568 (x1)	L M H S VS VS+	100 75 60 45 35 20	1200 1200 900 750 600 600	
				74 23 114 217 (x1) Possible kit : 74 23 880 701 (LL)	L M H S VS VS+	75 60 45 35 20 15	1200 1200 900 750 600 600	
<b>COOLANT</b>								
Range C (RT)	DTI 13 + VOITH	58	41-01-001/-5 Type D	ULTRACOOING PLUS	L, M, H, S VS, VS+	500	4 years	
	DTI 13	45						
	DTI 11 + VOITH	33,5						
	DTI 11	40						
C 25 STEPS	DTI 8 + ZT01109 + Retarder	48,5	41-01-001/-5 Type D	ULTRACOOING PLUS	L, M, H, S, VS	400	3 years	
	DTI 8 + ZT01006/1109	31,5						
	DTI 8 + Allison 306 + Retarder	47,1						
	DTI 8 + Allison 306	45,8						
GEARBOX LUBRICANT	AT2412/D/E/F, AT2612/D/E/F, ATO2612/D/E/F	16	97307 97315	LONGEVIA BVZ ECO 75W-80 LONGEVIA BVHD 75W-90	74 22 051 238 (x1)	L, M, H, S VS	450 200	3 years
	Power take-off	0,8						
Optidriver Crawler/Ultra Crawler	With Crawler/Ultra Crawler AT2612F, ATO2612F	17,6	97315	LONGEVIA BVZ ECO 75W-80 LONGEVIA BVHD 75W-90	74 22 419 050 (x1)	L, M, H, S VS	450 200	3 years
	Power take-off	0,8						
Manual B14 (DTI 11, DTI 13)	VT2214B, VT2514B, VTO2214B, VTO2514B DTI 13 Step B / C	13,5	97315	LONGEVIA BVHD 75W-90	74 22 419 050 (x1)	VS+	-	2500
	Power take-off	0,8						
ZF Manual (DTI 8)	ZT01006	10,2	ZF TE-ML 01E, 02E	LONGEVIA BVZ ECO 75W-80	74 85 130 056 (x1) (Interarder)	L, M, H S, VS	360 200	3 years 2 years
	Power take-off	0,5						
Allison (DTI 8)	AL306 with retarder AL306 without retarder	22 18	TES-295	STAROMATIC A-MAX	74 21 024 490	L, M, H S, VS, VS+	480 240	4 years 4 years
	Power take-off	0,8	TES-389	STAROMATIC A3	74 21 024 490	L, M, H S, VS, VS+	240 20	6 months 500
Retarder VOITH <sup>®</sup> (DTI 11, DTI 13)	RET TH	5,6	VOITH Class C	LONGEVIA BVZ ECO 75W-80	-	L, M, H S VS	200 150 100	2 years
	Power take-off	0,8						
<b>AXLE LUBRICANT</b>								
RSH 1340 (P1391)	(C 2 steps)	17,3 + 2x0,5	97312	LONGEVIA TCX ECO 75W-90	-	L, M, H, S VS	450 200	3 years
	API GL-5, MT-1	LONGEVIA TC ECO 80W-90						
RTH 2180C (PMR2191)	Intermediate axle Rear axle	19,7 + 2x0,5 17,3 + 2x0,5	API GL-5, SAE J2360	LONGEVIA P ECO 80W-140	-	L, M, H, S VS	120 60	1 year 1 year
	Molded pan Stamped oil pan	10,5 12,5						
RSS 1344 C/D/E, RSS 1352A (P13170, P13170E, P13170ER)	Rear axle	11	97312	LONGEVIA TCX ECO 75W-90	-	L, M, H, S VS	450 200	3 years 3 years
	Stamped oil pan	12,5						
RTS 2370A (PMR23170)	Intermediate axle Rear axle	20 14	97312	LONGEVIA TCX ECO 75W-90	-	L, M, H, S VS	120 60	1 year 1 year
	Power take-off	0,8						
RSH 1370F (P1361)	Rear axle	18 + 2x2,0	API GL-5, SAE J2360	LONGEVIA TC ECO 80W-90 LONGEVIA P ECO 80W-140 <sup>®</sup>	-	L, M, H, S VS	120 60	1 year 1 year
	Power take-off	0,8						
RTH 2610F (PMR2641)	Intermediate axle Rear axle	21,5 + 2x2,5 18 + 2x2,5	ISO 6743-4 HV 32	ST 32 M	74 85 132 744 (x1)	L, M, H, S, VS, VS+	120 200	2 years 3 years
	Circuit	37						
OPTITRACK	Power take-off 8x2/6 Optitrack Step 2	0,15	RLD-2 / RLD-3	MAXEON ME6 ECO 10W-30 MAXEON CRX ECO 10W-30 MAXIMA RLD ECO 15W-30 MAXIMA RLD 15W-40	74 85 132 744 (x1)	L, M, H, S VS	450 200	3 years 3 years
	Power take-off	0,8						

<sup>a</sup> Filter change : 120 000 km / 3 years / 3000 h  
<sup>b</sup> Filter change : 60 000 km / 2 years / 2000 h  
<sup>c</sup> Drain interval is reduced when ambient temperature is above 40°C more than 25 hours / year  
<sup>d</sup> First drain interval reduced (equivalent API GL-5, MT-1)  
<sup>e</sup> When outside temperature average exceeds 30°C, whether vehicle is driven in difficult conditions of frequently on very steep road conditions, SAE 80W-140 oil or 97312 transmission oil is recommended.

### OTHERS COMPONENTS

STEERING SYSTEM LUBRICANT		RENAULT TRUCKS OILS		USE		OIL DRAIN INTERVAL (ODI) <sup>a</sup>	
Part	Oil	Capacity	Oil	Interval	Interval	Interval	Interval
Steering system	Dexron III H / 97341	Starmatic 3 Starmatic 33					
<b>CLUTCH LUBRICANT</b>							
D ACCESS 3.5T / 5.1T / 5.6T / 6.5T D ACCESS 7.5T	BRAKING CLUTCH	1,4-1,6 0,3	DOT 4, SAE J1704	Fluide FE 4			2 years 1 year
<b>DRIVER'S CAB LUBRICANT</b>							
T > -15°C T < -15°C		0,7	Dexron III H / 97341 HV 22	Starmatic 3 / Starmatic 33 ST 22 M			
<b>AIR CONDITIONING COMPRESSOR LUBRICANT</b>							
SF15 ou SP10, PAG			Clim Z44				3 years 6000
<b>OTHER</b>							
GENERAL GREASING			N.L.G.1.2	SUPEROL HP2			

<sup>a</sup> In km x1000 / years / hours  
<sup>b</sup> Capacity liters  
<sup>c</sup> AWD - All Wheel Drive  
<sup>d</sup> PM (Optidrac Release 20 - 9/2020)  
<sup>e</sup> In hot countries and / or depending on the fuel quality, adapt drain intervals.  
Refer to the vehicle technical notice.

Use	Interval
L (Light)	
M (Medium)	
H (Heavy)	
S (Severe)	
VS (Very Severe)	
VS+ (Very Severe +)	

### DISTRIBUTION RANGE D

ENGINE LUBRICANT		RENAULT TRUCKS OILS		USE		OIL DRAIN INTERVAL (ODI) <sup>a</sup>		
Engine	Oil	Capacity	Oil	Interval	Interval	Interval	Interval	
D WIDE 26T D WIDE 18-19T	DTI 11 Step C/D	36,5	RLD-3 MAXEON XE6 ECO 5W-30 MAXEON ME6 ECO 10W-30 MAXEON CRX ECO 10W-30	74 23 114 217 (x1) 74 23 658 103 (x2)	L M H S VS VS+	100 75 60 45 30 15	1700 1500 1200 1000 800 600	
				74 23 114 217 (x1) Possible kit : 74 23 880 701 (LL)	L M H S VS VS+	75 60 45 35 20 15	1250 1200 900 750 600 600	
D 18T D 16T D 14T D 13T D 12T D 10T	DTI 8	24 (D WIDE)	RLD-3 MAXEON XE6 ECO 5W-30 MAXEON ME6 ECO 10W-30 MAXEON CRX ECO 10W-30	74 23 476 568 (x1)	L M H S VS VS+	100 75 60 45 30 15	1200 1200 900 750 600 600	
				74 23 476 568 (x1) Possible kit* : 74 85 137 268 (A2) 74 23 108 294 (A1)	L M H S VS VS+	80 60 45 35 25 15	1000 1000 1000 1000 1000 1000	
D WIDE 320 Gas engine	NGT9 (CNG)	26,5	CES 20992 CES 20074	MAXEON 504 15W-40 MAXIMA GAZ 5 15W-40	-	L, M, H, S, VS	500	1 year
							1000	6 months
<b>COOLANT</b>								
D WIDE	DTI 11 + VOITH	55	41-01-001/-5 Type D	ULTRACOOING PLUS	L, M, H, S, VS	500	4 years	
	DTI 11	40						
	DTI 8 RASEC	31,5						
	DTI 8 + ZT01109 + Interarder	48,5						
D NARROW	DTI 8 + Allison 306 + Retarder	47,1	41-01-001/-5 Type D	ULTRACOOING PLUS	L, M, H, S, VS	400	3 years	
	DTI 8 + Allison 306	45,8						
	NGT9 (CNG) + AL306	42,3						
	NGT9 (CNG)	41						
D NARROW	DTI 8 + optidriver + Retarder	55	41-01-001/-5 Type D	ULTRACOOING PLUS	L, M, H, S, VS	400	3 years	
	DTI 8 + optidriver	40						
	DTI 8 + Allison AL306 + Retarder	44,7						
	DTI 8 + Allison AL306	43,4						
D NARROW	DTI 8	31,1	41-01-001/-5 Type D	ULTRACOOING PLUS	L, M, H, S, VS	400	3 years	
	DTI 5 + Allison AL205	32,8						
	DTI 5	27,5						
	DTI 5	27,5						

GEARBOX LUBRICANT		RENAULT TRUCKS OILS		USE		OIL DRAIN INTERVAL (ODI) <sup>a</sup>		
Engine	Oil	Capacity	Oil	Interval	Interval	Interval	Interval	
Optidriver Without Crawler	AT 2412 E/F, ATO 2612 F	16	97307 97315	LONGEVIA BVZ ECO 75W-80 LONGEVIA BVHD 75W-90	74 22 051 238 (x1)	L, M, H, S VS	450 200	3 years 3 years
	Power take-off	0,8	97315	LONGEVIA BVHD 75W-90	74 22 419 050 (x1)	VS+	-	2500
Allison	AL306 with retarder AL306 without retarder	22 18	TES-295	STAROMATIC A-MAX	74 21 024 490	L, M, H S, VS, VS+	480 240	4 years 4 years
	Power take-off	0,8	TES-389	STAROMATIC A3	74 21 024 490	L, M, H S, VS, VS+	240 20	6 months 500
Allison (D NARROW)	AL205	10	TES-295	STAROMATIC A-MAX	50 01 872 645	L, M, H S, VS	120 80	3 years 3 years
	Power take-off	0,8	TES-389	STAROMATIC A3	50 01 872 645	L, M, H S, VS	120 20	2 years 6 months
ZF Manual	ZT01109 ZT01109 + Interarder	8,9 13	ZF TE-ML 01E, 02E	LONGEVIA BVZ ECO 75W-80	74 85 130 056 (Interarder)	L, M, H S, VS	360 200	3 years 2 years
	Power take-off	0,8						
ZF Optitronic (D NARROW)	ATO8006 ATO1056	10,4 10,2						
	Power take-off	0,5						
Retarder VOITH <sup>®</sup>	RET TH	5,6	VOITH Class C	LONGEVIA BVZ ECO 75W-80	-	L, M, H S VS		