



Lubricants and Oils

Library Listing – 1576 spectra

This library consists of spectra representing an international collection of lubricants and oils. It includes spectra of motor oils, gear oils, electroinsulating oils, machinery oils, turbine oils, compressor oils, hydraulic oils, anticorrosion oils, steam cylinder oils, metal-cutting oils, natural oils, silicone oils, fuels, greases, and solvents.

The Lubricants and Oils Library is an international collection of 1,576 spectra of motor oils, electroinsulating oils, machinery oils, turbine oils, compressor oils, hydraulic oils, anticorrosion oils, steam cylinder oils, metal-cutting oils, mineral oils, synthetic oils, biologically-derived oils, silicone oils, fuels, greases and solvents.

It contains a transmission library of 1038 spectra collected by KBr liquid cell. Additionally, it contains ATR libraries of 538 spectra in both ATR-corrected and uncorrected formats. A detailed User's Guide is included, which provides an overview of lubricant analysis, a description of the sampling techniques used, a list of the most common oil additives, and a table of typical compounds used in synthetic oils and additives and their associated FT-IR absorption bands.

Lubricants and Oils by ATR-Corrected

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
291	1-LZ	14	CASTROL 5000
48	A2	15	CASTROL 98
432	AC DELCO Supreme 15W40	12	CASTROL Aero 585B
333	ADDINOL ATF DIID	13	CASTROL Aero GT 85
321	ADDINOL CLP 150	23	CASTROL EPX 90
347	ADDINOL CLP 160	16	CASTROL Formula RS 10W60
331	ADDINOL CLP 320	17	CASTROL GTX 3
348	ADDINOL Diesel Long life MD 1546	450	CASTROL GTX Super Multi-grade 10W30
344	ADDINOL HLP 100	19	CASTROL GTX Super Multi-grade 10W40
345	ADDINOL HLP 22	18	CASTROL GTX Super Multi-grade 10W40
430	ADDINOL MV 1546E	24	CASTROL LPX 80
343	ADDINOL Super Diesel 1545	28	CASTROL Product 482/12 VCI
342	ADDINOL Super Economic MV 1046	22	CASTROL Rustilo 181
337	ADDINOL Super Light 5W40	20	CASTROL Rustilo DWX 30
378	ADDINOL Super Star MX 15W40	21	CASTROL Rustilo DWX 32
340	ADDINOL TRF-HX	27	CASTROL Synplex NL G/2
334	ADDINOL XG 86	508	CASTROL Syntilo RHS
2	AGIP 80W90	25	CASTROL TAF-X 75W
3	AGIP ITE 320	26	CASTROL TQ Dextron II D-22765
1	AGIP Super Motor Oil F.1. 15W40	292	CIATIM 201
296	AK25A	293	CIATIM 203
535	ALCR 1	326	CMT O-75
431	ALYCOL AL PP 93-66	473	CPN 13
278	AMG 10	358	CRODA Dicrol RC 289
279	AMG 10	401	Cat 10W
465	ANTOL Multi-diesel 15W40	400	Cat DEO (CF-4) 10W30
538	ARAL ATF 22D	399	Cat DEO (CF-4) 15W40
519	ARAL EP 85W90	396	Cat GL-5 80W90
412	ARAL Isolan 4047	397	Cat TDTO 10W
414	ARAL Isolan T	398	Cat TDTO 30W
413	ARAL Isolan TT	529	Cleencut 20
517	ARAL Super LL	201	DEA Cronos Super DX 15W40
459	ARAL Super Tronic	498	DEA Cronos Super TDL 15W40
4	ARAL Top Super 15W40	202	DEA Deagear EP-B 85W90
472	ARECA Super Multi-grade 15W40	434	DIESEL Gold Multi-grade 20W40
469	ARECA Super Multi-grade 20W50	462	DIVINOL Multi-max HDC3 15W40
479	Akvol	458	DIVINOL Super 15W40
471	BIOPAL 22 BD28A	460	DIVINOL Turbo 15W40
407	BIOVIS 80	203	DOW CORNING Molykate BG 87
444	BOSS 338		Inerta
439	BOSS 80W90	411	DUSSEK CAMPBELL T3902
445	BOSS 824	532	Diol
440	BOSS Turbo Tested 15W40	531	Duboterm
5	BP Energol HLP 46	433	ECONOGRADE Super-grade 15W40
11	BP Gear Oil 80W	204	ELF 515
6	BP Motor Oil 15W40	205	ELF Aviation Grease 10
7	BP Motor Oil 15W40	448	ELF Competition S 10W40
8	BP Vanellus C3 Extra	416	ERGON HYVOLT II
9	BP Visco 2000 15W40	33	ERO-S
10	BP Visco 2000 plus 10W40	34	ERO-SB
52	BTS	429	ESSO Essolube MHC 15W40
51	BTS	428	ESSO Essolube MHX 15W40
50	BTS i	207	ESSO Turbo Oil 10F
49	BTS i	206	ESSO Univis-J13
180	Benzene	410	ESSO Univolt N53
395	Bio HYDO 10W	409	ESSO Univolt N55
250	Biobor JF-US Borax	211	EXXON Beacon 5127 P290
29	Biomil P		
30	Biorol		
374	C.V. Joint Grease		

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
208	EXXON Turbo Oil 2380	85	M6W/20D
209	EXXON Turbo Oil 2389	280	MGE10A
210	EXXON Turbo Oil 25	54	MK
31	Ejektol V	285	MK 8 P
530	Elaskon 20	284	MK 8 P
32	Emulzin H	320	MOBIL DTE OIL 24
185	Extribo Brno Mobil Therm 603	443	MOBIL EAL 224H
186	Extribo Brno Mobil Therm 760N	223	MOBIL Gargoyle Arctic oil 540
501	FIRE lamp oil	222	MOBIL Gargoyle Arctic oil 70
466	FRIDIOL	371	MOBIL Genrex 22
467	FRIDIOL Extra	253	MOBIL Genrex 26
338	FUCHS 27P	254	MOBIL Genrex 26A
526	FUCHS Delta Lube VG 46	255	MOBIL Genrex 26B
509	FUCHS Delta Renep Super	229	MOBIL Grease 22
408	FUCHS Renolin E7	224	MOBIL Jet Oil 254
505	Farbest B209 KHC	225	MOBIL Jet Oil II
187	Fridex Stabil	226	MOBIL MCP 319A
158	Fuel Oil L	230	MOBIL Plex 45
157	Fuel Oil L	227	MOBIL Super 15W40
249	GGVE 3	449	MOBIL Super Formula XHP 10W40
327	GLEITMO 200	228	MOBIL Super HP 10W40
147	GLEITMO 3000	497	MOGUL Forte GX 15W40 Multi-grade
328	GLEITMO 310	524	MOLEKULAR-TECHNIK Meta-bond
150	GLEITMO 352-3	523	MOLEKULAR-TECHNIK Meta-bond
134	GLEITMO 415 Plus		Natural
181	GLEITMO 523	286	MS-8P
324	GLEITMO 551	287	MS14
329	GLEITMO 582	521	MT-16P
182	GLEITMO 593	525	Mavok
183	GLEITMO 605	393	Mobil DTE Oil 13
325	GLEITMO 750	394	Mobil DTE Oil 13M
179	GLEITMO 810	379	Mogul Green Save
323	GLEITMO 871	166	Molyka-G
322	GLEITMO 880 Bio	375	Motul 15W40
447	GOLEM Super 15W50	452	NPG COOL 8506
353	HLP 38F	239	NYCO Grease 37
352	HLP 46F	240	NYCO Grease 43
359	HOUGHTON LUBRICOR 954H	232	NYCO Hydraunycoil FH11
220	HUSQVARNA 2-stroke engine	234	NYCO Hydraunycoil FH15
188	Hitec 580	233	NYCO Hydraunycoil FH15
455	INA DELTA 5 15W40	235	NYCO Hydraunycoil FH16
451	INA DELTA Sint 10W40	241	NYCO Nycolube 123 Grade 4
283	IPM-10	242	NYCO Nycolube 8 Grade 2
35	ISO 10/15	243	NYCO Nycosol 337
53	ITO 100	244	NYCO Nycosol 5
392	ITO 200	245	NYCO Nycosol 55
503	Injekt HKL	236	NYCO Turbonycoil 210A
373	KLUEBER Quietsch-Ex	237	NYCO Turbonycoil 500
221	KLUEBER Topas NB52	238	NYCO Turbonycoil 525-2A
189	Katol PP	318	NYNAS NYTRO 10X
159	Kerosene PL 6	319	NYNAS NYTRO 10X
511	Kerosene PS2	415	NYTRO 10BNX
65	Koring 201	140	O-148
66	Koring 205	86	OA-M2T
248	LITH SHCPM	88	OA-M2T-Mix
281	LZMG2	87	OA-M2T-Mix
528	Litol 24	90	OA-M3AD Madit Special
135	Lukooil M50	89	OA-M3AD Madit Special
137	M 200	91	OA-M5AD Mogul Special
289	M16ICHP3	92	OA-M5ADX Mogul Super Extra

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94	OA-M6A	80	OL-N32
93	OA-M6A	81	OL-P0
96	OA-M6AD	82	OL-P4A
98	OA-M6AD	83	OL-P8A
97	OA-M6AD	512	OL-P8P
95	OA-M6AD N	84	OLJ-46
390	OA-M6ADS II	46	ON-1
99	OA-M6ADS II Diesel	60	ON-5V
100	OA-M6ADS II Plus Diesel	256	OPTIMOL Long Time PD2
101	OA-M6ADS III	257	OPTIMOL Opti Temp TT1
102	OA-M6ADV N	136	OR-P2DS
103	OA-M7AD Madit Super	145	OR-P3
105	OA-M7ADS III	513	OR-P4DS
104	OA-M7ADS III N 15W40	514	OSK-68
106	OA-M7ADS IV	36	OT-H2
107	OA-M7ADS V	37	OT-H3
108	OA-M7ADX Mogul Super Stabil	38	OT-H4
110	OA-M8AD Mogul Super 15W50	56	OT-HP3 Hydyn
111	OA-M8AD Mogul Super 15W50	61	OT-K12
109	OA-M8AD Mogul Super 15W50	62	OT-K18
391	OA-M9ADS	63	OT-K28S
112	OA-M9ADV N	64	OT-K8
114	OA-PH 12	534	OV-B 25
115	OA-PP 7	533	OV-B 25
113	OA-PP 85W140H	476	OV-B28
116	OA-PP13	405	OV-B31
117	OA-PP44	382	Oleum bergamottae
118	OA-PP75 W	380	Oleum citri
121	OA-PP80	384	Oleum foeniculi
119	OA-PP80	383	Oleum geranii verum
120	OA-PP80	387	Oleum methae piperitae
122	OA-PP80W90	381	Oleum terebinthi
123	OA-PP80W90H	454	PANOLIN HLP Synth 46
124	OA-PP90	57	PAO8
125	OA-PP90H	496	PENNZOIL ATF2 Automatic Transmission Fluid
520	OD-11		
518	OD-16	246	PENNZOIL Biocycle synthetic 2-stroke racing oil
138	OD-20		
139	OD-3	463	PENNZOIL PZL Turbo 15W40
516	OD-8	336	PENNZOIL Ultra Turbo 15W40
478	OE-T	441	PERFORMANCE Plus GLX 80W90
39	OH-HL22	446	PETRO Maximum Supreme 10W40
40	OH-HM32	437	PETRO Premium
42	OH-HM46	464	PETRO Super Plus 15W40
41	OH-HM46	438	PETRO Turbo Canadian Gold 15W40
43	OH-HM68	162	PM-AK 1EP
44	OH-HV32	537	PM-AK 2EP
45	OH-HV46	160	PM-AK2
67	OK-2 A Konkor 101	536	PM-AKG2
68	OK-3	161	PM-AKM 2
515	OK-40	169	PM-K3S
69	OK-5 A Konkor 103	481	PM-KN 2
72	OL-10	170	PM-LA2
73	OL-22	527	PM-LKP 00
74	OL-32	171	PM-LV2EP
75	OL-46	172	PM-MOGUL LV2-3
76	OL-B1	173	PM-NH2
77	OL-B4	174	PM-NH2
78	OL-N2	175	PM-PZ0 P
79	OL-N22	363	Petrol (Gas) Natural BA-95N

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
362	Petrol (Gas) Natural BA-95N	487	SHELL Malleus Compound C
146	Petrol (Gas) Natural BA-95N	276	SHELL Retinax A
361	Petrol (Gas) Natural BA-95N	277	SHELL Retinax AM
370	Petrol (Gas) Special BA-91	272	SHELL Super 10W40
367	Petrol (Gas) Special BA-91	261	SHELL Tellus C10
366	Petrol (Gas) Special BA-91	273	SHELL Tivela Oil WB
368	Petrol (Gas) Special BA-91	288	SHK
148	Petrol (Gas) Special BA-91	482	SMAZKA VNIINP 207
369	Petrol (Gas) Special BA-91	294	SMAZKA VNIINP-282
364	Petrol (Gas) Super BA-96	360	SPHINX RL 217 HH3
365	Petrol (Gas) Super BA-96	297	SUNOCO Forza 15W40
149	Petrol (Gas) Super BA-96	300	SWEPCO
475	Petroleum (Diesel)	442	SWEPCO 201 Multipurpose Gear Lube
153	Petroleum (Diesel) NM-22	499	SWEPCO 306 Multi-grade 15W40
151	Petroleum (Diesel) NM-22 B	500	SWEPCO 306 Multi-grade 15W40
152	Petroleum (Diesel) NM-22 B	461	SWEPCO ASDLD Engine Oil 301 15W40
154	Petroleum (Diesel) NM-30	298	SWEPCO Moly Grease 101
155	Petroleum (Diesel) NM-35	299	SWEPCO Moly Grease 105
522	Petroleum (Diesel) NM-4 A	219	Slick 50
156	Petroleum (Diesel) NM-4 B	376	Steam cylinder oil
510	Petropal	402	Super HD II 15W40 Energy Conserving
453	Poly-(chlorotrifluorethylene) oil	477	Syntol HD 190
127	Primol Eko 100K	190	Syntol HD 205
132	Primol Eko 36H	141	T-68
129	Primol Eko 36P	142	T-68
130	Primol Eko 36P	176	T-A OO
128	Primol Eko 68L	167	T-A4
131	Primol Eko 68V	177	T-G3
133	Primol Eko 80P	168	T-K3
47	Primol Eko HTG40	163	T-N1
480	Primol Eko Z	165	T-PH2
58	Pulit 32 CF	164	T-V2
351	QUAKER Quakerol 1083	178	T3C
59	R2	184	T6p
436	RAD 2000	354	TAp 15V
259	Ritzol 100 Li	143	TB-32
70	S2	144	TB-46
71	S79	422	TECHNOL 2000
269	SHELL 15W50 Multi-grade	423	TECHNOL 2000
263	SHELL Aero 100	425	TECHNOL 296
494	SHELL Aero Fluid 12	426	TECHNOL 296X
491	SHELL Aero Fluid 3	421	TECHNOL REGENOL
492	SHELL Aero Fluid 5L-A	417	TECHNOL VS4000
268	SHELL Aero Fluid ASF-41	424	TECHNOL Y3000
275	SHELL Aero GR6	495	TEXACO Cox GX
264	SHELL Aero Turbine Oil 3P	486	TEXACO Multi-fak All Purpose EP 2
265	SHELL Aero Turbine Oil 500	489	TEXACO Multi-fak EP 2
266	SHELL Aero Turbine Oil 555	332	TEXACO Texaflow
267	SHELL Aero Turbine Oil 560	488	TEXACO Ursa Super 20W50
493	SHELL Alvania EP 2	215	TITAN CFE 1040MC
262	SHELL Clavus 15	213	TITAN CFE 1040MC
484	SHELL DEL 4610	214	TITAN CFE 1040MC
420	SHELL Diala BX	217	TITAN Ekolube CFE
419	SHELL Diala DX	218	TITAN Ekolube Motor Unimoly
418	SHELL Diala GX	212	TITAN Plantohyd 40N
483	SHELL Diala Oil D	457	TITAN SK
270	SHELL Fire and Ice 10W40	456	TITAN SK 1540
274	SHELL Garia T	216	TITAN Universal HD 1540
271	SHELL Helix Standard 15W40	282	TKp
260	SHELL Hydrol DO-32		

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231	TL-36	330	VECO CLP 5 80W90
485	TO ELF	349	VECO Syntex 5W50
301	TOTAL Aero D100	335	VECO VD-L 46
302	TOTAL Aero D80	341	VECO soluble
304	TOTAL Aero DM 15W50	490	VESTOIL Diesel 2
303	TOTAL Aero DM 20W60	506	VK-L
309	TOTAL Aero Grease 22	372	VNIINP 50-1-4-F
305	TOTAL Aero Hydraulic 316	355	WINTERSHALL HLP 46
306	TOTAL Aero Hydraulic 520	356	WINTERSHALL Violan 100
307	TOTAL Aerolub 117	295	ZRO
310	TOTAL Caloris MS3	191	acetone
313	TOTAL Drosera MS2	192	chloroform
308	TOTAL Jet Turbine 530	468	coolant
311	TOTAL Mutisis TIR	193	cyklohexane
247	TOTAL Rubia Tir XLD 15W40	194	ethanol
312	TOTAL Specis CU	427	ethyleneglycol
507	TPD 33-078-62	386	eucalyptus oil
377	TSp 10	502	flax-seed oil
290	TSz-9hyp.	195	freon 113 - Ledon
316	Tectyl 506 EH	196	isopropanol
317	Tectyl 511	385	lavender oil
357	Trama ITE 320	197	n-heptane
258	Transol 130	55	oil for shockers
406	TropArtic All Season 10W40 Energy Conserving	388	poppy-seed oil
404	TropArtic Fuel Economy 10W30 Energy Conserving II	126	rape-seed oil
403	TropArtic Turbo 10W30 Energy Conserving II	389	sun-seed oil
435	ULTRA 7 15W40	198	tetrachlormethane
470	V-22	199	toluene
314	VALVOLINE 2T-Mix	474	washing oil
315	VALVOLINE All-Climate 10W40	504	washing oil
346	VECO CLP 220	200	xylene
339	VECO CLP 320	251	ÖMV 15W40
		252	ÖMV 80-85
		350	ÖMV Truck Plus 10W40