

Lab number	4612640	4727512	4431426	4612647	4727517
Unit ID	Volvo V60 LUEV600	Volvo V60 LUEV600	Volvo V90 LUPV990	Volvo V90 LUPV990	Volvo V90 LUPV990
Component	4-Takt Dieselmotor	4-Takt Dieselmotor	4-Takt-Dieselmotor	4-Takt-Dieselmotor	4-Takt-Dieselmotor
Machine type	V60 4 Zylinder Diesel	V60 4 Zylinder Diesel	V90 4 Zylinder Diesel D5	V90 4 Zylinder Diesel D5	V90 4 Zylinder Diesel D5
Manufacturer	Volvo	Volvo	Volvo	Volvo	Volvo
Sample from	Dieselmotor	Dieselmotor	Dieselmotor	Dieselmotor	Dieselmotor
Sample rating	3	3	2	3	2
Date tested	2022-01-04	2022-09-19	2021-02-24	2021-09-24	2022-02-01
Date sample taken	2021-12-27	2022-09-14	2021-02-22	2021-09-21	2022-01-29
Date oil changed	2020-10-06	2021-12-27	2020-09-08	2021-02-22	2022-01-29
Oil changed	TRUE	TRUE	TRUE	TRUE	TRUE
Operating hrs since change	11523	12441	3057	9484	9827
Unit (operating hrs since change)	km	km	km		km
Total operating hrs	34260	51701	18928	28412	38239
Unit (total operating hrs)	km	km	km	km	km
Top-up since change	0	0		0	0
Unit (top-up since change)	l	l	l	l	l
Oil quantity in system	5,2	5,2	5,2	5,2	5,2
Unit (oil quantity in system)	l	l	l	l	l
Lubricant	Castrol Edge Professional 0W-20	Fuchs Titan GT1 PRO V 0W-20	Castrol Edge Professional 0W-20	Liqui Moly Special Tec V 0W-20	Fuchs Titan GT1 PRO V 0W-20
Fe [mg/kg]	50	35	51	45	31
Cr [mg/kg]	1	1	1	1	1
Co [mg/kg]					
Sn [mg/kg]	0	0	0	0	0
Al [mg/kg]	6	7	7	6	6
Ni [mg/kg]	7	10	7	8	5
Cu [mg/kg]	4	3	6	3	1
Pb [mg/kg]	1	0	0	0	0
Mo [mg/kg]	259	684	1	270	658
Ag [mg/kg]	1	0			
Ti [mg/kg]	18	3	21	3	1
V [mg/kg]					
Li [mg/kg]					
Mn [mg/kg]	1	1	2	1	1
PQ-Index	< 25	< 25	24	24	24
Si [mg/kg]	12	16	7	8	9
K [mg/kg]	5	5	9	10	7
Na [mg/kg]	2	1	5	1	0
Water [%]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Water K. F. [ppm]					
Glycol	negativ	negativ	negativ	negativ	negativ
Vegetable oil [%]					
Fuel [%]					
Diesel fuel [%]	8,8	9,6	3,6	4,4	3,9
Biodiesel [%]	< 0.3	3	< 0.3	< 0.3	< 0.3
Soot content [%]	0,1	0,2	0,2	0,3	0,2
Soot index	0,5	0,5	0,4	0,5	0,5
Viscosity at 40°C [mm²/s]	38,28	32,53	42,96	43,88	38,28
Viscosity at 100°C [mm²/s]	7,69	7,22	8,35	8,49	8,11
Viscosity index	176	196	174	174	193
Oxidation [A/cm]	1	1	1	1	1
Nitration [A/cm]	4	2	1	1	1
Sulfation [A/cm]	1	5	2	0	0
Color					
Dispersancy [%]	98	98	98	99	100
Ca [mg/kg]	1581	2133	1682	1630	2171
Mg [mg/kg]	7	7	12	7	13
B [mg/kg]	336	491	54	351	563
Zn [mg/kg]	751	700	844	830	791
P [mg/kg]	633	593	708	664	648
Ba [mg/kg]	0	0	0	0	0
S [mg/kg]	1567	2209	1645	1498	2203
Chlorine content [mg/kg]					
BN [mgKOH/g]	5,18	n/a	6,84	6,7	8,14
IR-Index		97,9	96,73	94,42	97,94
W [mg/kg]				1	1
Bi	2	2	3	1	
Zr					