



CONSTRUCTION EQUIPMENT

VOLVO L60E 60773 - DIESEL ENGINE



Sample No: VCE254019
Oil Type: MYSTIK JT-8 SYN SUPER HD 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCE254019	VCP254060	VCP216023	VCE085178
Sample Date	13 Dec 2023	13 Oct 2021	28 Jun 2018	14 Dec 2016
Machine Hours	3338	3105	2512	2209
Oil Hours	233	228	303	249
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

LIPSCOMB COUNTY
P.O. BOX 144
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US 79056
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OIL CONDITION

Visc @ 100°C	cSt	12.2	12.6	11.83	12.19
Base Number (BN)	mg KOH/g	8.6	---	---	---
Oxidation (PA)	%	55	64	56	52

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0	0
Nitration (PA)	%	53	57	50	50
Sulfation (PA)	%	50	53	33	47
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	5	3
Sodium	ppm	1	1	3	6
Potassium	ppm	1	<1	0	3

WEAR METALS

Iron	ppm	6	9	8	17
Copper	ppm	<1	1	<1	2
Lead	ppm	<1	2	<1	1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	1	2	3
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	50	63	34	41
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1044	1057	945	1134
Magnesium	ppm	817	951	646	787
Zinc	ppm	1141	1247	914	1166
Phosphorus	ppm	896	971	814	875
Barium	ppm	0	0	0	0
Boron	ppm	5	8	5	9

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: LIPLIP
Unique No: 10796388
Signed: Wes Davis
Report Date: 22 Dec 2023



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GRAPHS

