



CONSTRUCTION EQUIPMENT

SPM634340-10 VOLVO L90H 625378 - DIESEL ENGINE



Sample No: VCP422476
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM634340-10



SAMPLE INFORMATION

Sample Number	VCP422476	VCP427159	VCP406260	VCP398473
Sample Date	20 Nov 2023	03 Aug 2023	17 Apr 2023	27 Jan 2023
Machine Hours	6410	5525	5096	4638
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

FORESTRY RESOURCES
 4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: COREY MUELLER

OIL CONDITION

Visc @ 100°C	cSt	13.7	13.3	13.6	13.9
Base Number (BN)	mg KOH/g	9.2	10.2	8.9	9.1
Oxidation (PA)	%	79	84	67	86

T: (239)872-1856
 F:

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.

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.3	0.3	0.5
Nitration (PA)	%	82	67	63	90
Sulfation (PA)	%	59	61	52	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	6	4	8
Sodium	ppm	2	3	1	3
Potassium	ppm	0	<1	0	<1

WEAR METALS

Iron	ppm	9	8	7	18
Copper	ppm	<1	<1	<1	2
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	6	4	3	9
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	49	48	48	47
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	1445	1915	980	1901
Magnesium	ppm	701	602	730	533
Zinc	ppm	1197	1263	951	1188
Phosphorus	ppm	1045	1047	848	973
Barium	ppm	0	0	0	0
Boron	ppm	11	29	8	21

Depot: FORFOTFL
Unique No: 10763878
Signed: Wes Davis
Report Date: 29 Nov 2023



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VOLVO GRAPHS

