



CONSTRUCTION EQUIPMENT

VOLVO L150H 6359 - DIESEL ENGINE



Sample No: VCP408302
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP408302	VCP377540	VCP272582	VCP283092
Sample Date	27 Jun 2023	02 May 2022	12 Jun 2020	01 May 2020
Machine Hours	6537	5496	3642	3345
Oil Hours	500	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.8	13.2	12.7
Base Number (BN)	mg KOH/g	9.2	9.5	---	---
Oxidation (PA)	%	83	70	71	73

CONTAMINATION

Soot %	%	0.2	0.2	0.1	0.3
Nitration (PA)	%	71	63	58	78
Sulfation (PA)	%	62	61	60	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	6	4
Sodium	ppm	1	2	3	3
Potassium	ppm	3	2	5	<1

WEAR METALS

Iron	ppm	7	4	4	9
Copper	ppm	6	22	1	5
Lead	ppm	<1	1	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	1	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	43	50	25	14
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1587	1166	1564	1264
Magnesium	ppm	537	777	609	579
Zinc	ppm	1106	1139	942	674
Phosphorus	ppm	899	965	845	589
Barium	ppm	0	0	0	0
Boron	ppm	32	15	53	22

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: VOLVO0264
Unique No: 10537684
Signed: Wes Davis
Report Date: 03 Jul 2023



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VOLVO GRAPHS

