



CONSTRUCTION EQUIPMENT

VOLVO L150F 14205 - DIESEL ENGINE



Sample No: VCP312541
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP312541	VCP405984	VCP401931	VCP405997
Sample Date	24 Oct 2023	12 Sep 2023	09 Aug 2023	21 Jun 2023
Machine Hours	25033	24762	24538	24246
Oil Hours	271	224	292	284
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.7	12.5	12.7
Base Number (BN)	mg KOH/g	8.5	10.2	10.1	9.8
Oxidation (PA)	%	68	79	82	84



CONTAMINATION

Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	63	51	52	50
Sulfation (PA)	%	55	60	61	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	4
Sodium	ppm	5	1	2	2
Potassium	ppm	2	<1	0	<1



WEAR METALS

Iron	ppm	3	2	2	2
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	5	2	<1	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	118	47	39	41
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1643	1599	1689	1769
Magnesium	ppm	759	481	504	535
Zinc	ppm	1093	896	872	976
Phosphorus	ppm	919	734	746	800
Barium	ppm	<1	0	0	0
Boron	ppm	111	58	56	63

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: SCHGRE
Unique No: 10723713
Signed: Wes Davis
Report Date: 02 Nov 2023



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VOLVO GRAPHS

