



CONSTRUCTION EQUIPMENT

VOLVO L150F 14205 - DIESEL ENGINE



Sample No: VCP401931
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP401931	VCP405997	VCP386161	VCP374990
Sample Date	09 Aug 2023	21 Jun 2023	11 May 2023	27 Mar 2023
Machine Hours	24538	24246	23962	23632
Oil Hours	292	284	330	173
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.7	12.6	12.9
Base Number (BN)	mg KOH/g	10.1	9.8	10.0	10.1
Oxidation (PA)	%	82	84	82	77



CONTAMINATION

Soot %	%	0.2	0.2	0.1	0.1
Nitration (PA)	%	52	50	51	46
Sulfation (PA)	%	61	62	62	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	4
Sodium	ppm	2	2	2	1
Potassium	ppm	0	<1	3	0



WEAR METALS

Iron	ppm	2	2	4	1
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	2	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	39	41	38	38
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1689	1769	1745	1570
Magnesium	ppm	504	535	521	460
Zinc	ppm	872	976	952	818
Phosphorus	ppm	746	800	736	686
Barium	ppm	0	0	0	0
Boron	ppm	56	63	58	60

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: 10617108
Signed: Wes Davis
Report Date: 24 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

