



CONSTRUCTION EQUIPMENT

D27477 JANESVILLE RE VOLVO L70H 623025 - DIESEL ENGINE



Sample No: VCP405032
Oil Type: MOBIL 15W40
Job No: D27477 JANESVILLE RE



SAMPLE INFORMATION

Sample Number	VCP405032	VCP381320	VCP395279	VCP391261
Sample Date	18 Jul 2023	17 May 2023	15 Mar 2023	14 Dec 2022
Machine Hours	7632	7425	7200	6860
Oil Hours	250	500	500	500
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



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OIL CONDITION

Visc @ 100°C	cSt	13.1	12.9	12.7	13.0
Base Number (BN)	mg KOH/g	10.1	10.3	10.6	12.0
Oxidation (PA)	%	77	83	81	89



CONTAMINATION

Soot %	%	0.1	0.2	0.2	0.2
Nitration (PA)	%	53	75	58	66
Sulfation (PA)	%	58	61	61	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	0	0	2	0
Potassium	ppm	2	2	<1	<1



WEAR METALS

Iron	ppm	3	8	2	6
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	1	2	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	41	49	41	42
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1652	1909	1581	1688
Magnesium	ppm	473	522	464	472
Zinc	ppm	1108	1203	1035	1064
Phosphorus	ppm	945	1015	862	897
Barium	ppm	0	0	0	0
Boron	ppm	52	44	45	35

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: VOLVO0070
Unique No: 10589107
Signed: Wes Davis
Report Date: 08 Aug 2023



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GRAPHS

