



CONSTRUCTION EQUIPMENT

25684 VOLVO L70 624995 - DIESEL ENGINE



Sample No: VCP452649
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25684



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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SAMPLE INFORMATION

Sample Number	VCP452649	VCP418497	VCP389127	---
Sample Date	16 May 2024	18 Dec 2023	07 Jun 2023	---
Machine Hours	1489	1065	533	---
Oil Hours	0	0	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	12.8	12.8	12.6	---
Base Number (BN)	mg KOH/g	9.9	9.0	9.9	---
Oxidation (PA)	%	79	79	74	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.2	0.2	---
Nitration (PA)	%	58	59	58	---
Sulfation (PA)	%	58	59	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	9	16	---
Sodium	ppm	3	<1	2	---
Potassium	ppm	<1	0	3	---



WEAR METALS

Iron	ppm	11	14	20	---
Copper	ppm	2	<1	7	---
Lead	ppm	0	0	<1	---
Tin	ppm	2	2	4	---
Aluminum	ppm	4	4	4	---
Chromium	ppm	<1	1	2	---
Molybdenum	ppm	44	41	44	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	<1	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1722	1781	1488	---
Magnesium	ppm	523	551	546	---
Zinc	ppm	1137	1197	1108	---
Phosphorus	ppm	959	1036	944	---
Barium	ppm	0	0	0	---
Boron	ppm	53	42	77	---

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: VOLVO3387
Unique No: 11042544
Signed: Wes Davis
Report Date: 22 May 2024



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GRAPHS

