



CONSTRUCTION EQUIPMENT

19098 OLDCASTLE DUNN VOLVO L90H 626505 - DIESEL ENGINE



Sample No: VCP425389
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19098 OLDCASTLE DUNN



117 - ASCENDUM MACHINERY INC - GREENVILLE
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SAMPLE INFORMATION

Sample Number	VCP425389	VCP382806	---	---
Sample Date	10 Jul 2023	11 Apr 2023	---	---
Machine Hours	1705	1087	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 9.2	█ 7.7	---	---
Oxidation (PA)	%	59	78	---	---



CONTAMINATION

Soot %	%	█ 0.3	█ 0.4	---	---
Nitration (PA)	%	58	69	---	---
Sulfation (PA)	%	51	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 19	---	---
Sodium	ppm	█ <1	█ 5	---	---
Potassium	ppm	█ 0	█ 2	---	---



WEAR METALS

Iron	ppm	█ 14	█ 46	---	---
Copper	ppm	█ 1	█ 13	---	---
Lead	ppm	█ 6	█ 38	---	---
Tin	ppm	█ 1	█ 5	---	---
Aluminum	ppm	█ 4	█ 16	---	---
Chromium	ppm	█ 1	█ 3	---	---
Molybdenum	ppm	█ 55	█ 39	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1080	█ 1560	---	---
Magnesium	ppm	█ 903	█ 583	---	---
Zinc	ppm	█ 1210	█ 1120	---	---
Phosphorus	ppm	█ 979	█ 938	---	---
Barium	ppm	█ 2	█ 6	---	---
Boron	ppm	█ 6	█ 36	---	---

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: VOLVO8769
Unique No: 10586931
Signed: Don Baldrige
Report Date: 05 Aug 2023



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GRAPHS

