



CONSTRUCTION EQUIPMENT

IAA VOLVO L90H 625019 - DIESEL ENGINE



Sample No: VCP369928
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: IAA



SAMPLE INFORMATION

Sample Number	VCP369928	VCP347891	---	---
Sample Date	12 Jun 2024	14 Nov 2022	---	---
Machine Hours	5058	3848	---	---
Oil Hours	550	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

THE GW VAN KEPPEL CO.
 3914 WEST IRVING
 WICHITA, KS
 US 67213
 Contact: GARISSON LORENZ
 glorenz@vankeppel.com
 T: (316)945-6556
 F: (316)945-6592



OIL CONDITION

Visc @ 100°C	cSt	13.4	13.7	---	---
Base Number (BN)	mg KOH/g	10.3	10.7	---	---
Oxidation (PA)	%	84	91	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.9	0.6	---	---
Nitration (PA)	%	76	77	---	---
Sulfation (PA)	%	64	67	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	6	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	2	---	---



WEAR METALS

Iron	ppm	18	12	---	---
Copper	ppm	1	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	6	4	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	40	42	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1912	1753	---	---
Magnesium	ppm	537	490	---	---
Zinc	ppm	1258	941	---	---
Phosphorus	ppm	1028	770	---	---
Barium	ppm	0	0	---	---
Boron	ppm	24	28	---	---

Depot: VOLVO0083
Unique No: 11102465
Signed: Jonathan Hester
Report Date: 02 Jul 2024



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GRAPHS

