



CONSTRUCTION EQUIPMENT

HERC RENTALS VOLVO A30G 752902 - DIESEL ENGINE



Sample No: VCP437328
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: HERC RENTALS



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP437328	VCP436225	VCP425147	---
Sample Date	29 Apr 2024	11 Oct 2023	24 Aug 2023	---
Machine Hours	2093	1074	532	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	12.7	11.9	10.6	---
Base Number (BN)	mg KOH/g	7.3	10.2	5.8	---
Oxidation (PA)	%	85	77	59	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.6	0.2	0.4	---
Nitration (PA)	%	87	63	84	---
Sulfation (PA)	%	66	61	57	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.3	---
Silicon	ppm	6	8	31	---
Sodium	ppm	<1	<1	5	---
Potassium	ppm	2	<1	4	---



WEAR METALS

Iron	ppm	20	7	28	---
Copper	ppm	28	97	203	---
Lead	ppm	<1	1	3	---
Tin	ppm	2	2	4	---
Aluminum	ppm	2	2	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	53	51	87	---
Nickel	ppm	2	2	2	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	1	0	---
Manganese	ppm	<1	1	5	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1895	1784	2348	---
Magnesium	ppm	489	494	93	---
Zinc	ppm	1202	1177	1222	---
Phosphorus	ppm	914	1019	999	---
Barium	ppm	0	0	0	---
Boron	ppm	42	57	17	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. All other 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: VOLVO0093
Unique No: 11077115
Signed: Don Baldrige
Report Date: 17 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

