



CONSTRUCTION EQUIPMENT

SPM579126 VOLVO A30G 740113 - DIESEL ENGINE



Sample No: VCP409222
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM579126



SAMPLE INFORMATION

Sample Number	VCP409222	VCP357540	VCP334847	VCP321936
Sample Date	06 Jul 2023	28 Nov 2022	08 Sep 2021	02 Jul 2021
Machine Hours	9329	8980	4852	4067
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:

OIL CONDITION

Visc @ 100°C	cSt	12.9	15.6	12.2	12.2
Base Number (BN)	mg KOH/g	9.3	11.2	---	---
Oxidation (PA)	%	61	56	70	90

CONTAMINATION

Soot %	%	0.2	0.1	0.6	0.6
Nitration (PA)	%	60	48	78	88
Sulfation (PA)	%	55	52	60	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	2.4
Silicon	ppm	4	1	4	4
Sodium	ppm	<1	<1	4	2
Potassium	ppm	<1	<1	1	0

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.

WEAR METALS

Iron	ppm	11	2	18	16
Copper	ppm	4	<1	4	2
Lead	ppm	1	0	<1	<1
Tin	ppm	<1	<1	1	1
Aluminum	ppm	<1	1	3	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	61	58	62	48
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1109	1022	1289	1610
Magnesium	ppm	986	827	948	537
Zinc	ppm	1329	1126	1261	1125
Phosphorus	ppm	1080	935	1087	924
Barium	ppm	0	0	0	0
Boron	ppm	13	3	6	27

Depot: VOLVO8885
Unique No: 10560510
Signed: Jonathan Hester
Report Date: 18 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

