



CONSTRUCTION EQUIPMENT

7162 VOLVO A40G 752049 - DIESEL ENGINE



Sample No: VCP364749
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 7162



SAMPLE INFORMATION

Sample Number	VCP364749	VCP411951	---	---
Sample Date	05 Dec 2023	24 Aug 2023	---	---
Machine Hours	1245	503	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

JUNCTION CITY MINING
 2158 PACKING HOUSE RD
 TALBOTTON, GA
 US 31827
 Contact:



OIL CONDITION

Visc @ 100°C	cSt	12.2	13.2	---	---
Base Number (BN)	mg KOH/g	6.9	10.5	---	---
Oxidation (PA)	%	80	82	---	---

T:
F:

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	0.2	0.3	---	---
Nitration (PA)	%	81	62	---	---
Sulfation (PA)	%	61	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.5	<1.0	---	---
Silicon	ppm	12	9	---	---
Sodium	ppm	<1	10	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	16	7	---	---
Copper	ppm	180	1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	2	<1	---	---
Aluminum	ppm	1	5	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	46	40	---	---
Nickel	ppm	6	<1	---	---
Titanium	ppm	2	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1688	1630	---	---
Magnesium	ppm	454	487	---	---
Zinc	ppm	1047	1106	---	---
Phosphorus	ppm	851	896	---	---
Barium	ppm	11	11	---	---
Boron	ppm	21	29	---	---

Depot: JUNTAL
Unique No: 10782864
Signed: Angela Borella
Report Date: 20 Dec 2023



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GRAPHS

