



CONSTRUCTION EQUIPMENT

606215 DIPRO KOMATSU WA480 A48036 - DIESEL ENGINE



Sample No: VCP431152
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606215 DIPRO



SAMPLE INFORMATION

Sample Number	VCP431152	VCP380940	---	---
Sample Date	21 Sep 2023	13 Dec 2022	---	---
Machine Hours	8231	6843	---	---
Oil Hours	1400	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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 56195 PONTIAC TRAIL
 NEW HUDSON, MI
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OIL CONDITION

Visc @ 100°C	cSt	13.2	12.7	---	---
Base Number (BN)	mg KOH/g	7.5	8.9	---	---
Oxidation (PA)	%	71	76	---	---

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

Soot %	%	1.2	0.6	---	---
Nitration (PA)	%	88	78	---	---
Sulfation (PA)	%	62	70	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	46	14	---	---
Copper	ppm	69	45	---	---
Lead	ppm	2	1	---	---
Tin	ppm	2	1	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	74	125	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1373	1654	---	---
Magnesium	ppm	816	589	---	---
Zinc	ppm	1231	902	---	---
Phosphorus	ppm	909	737	---	---
Barium	ppm	0	0	---	---
Boron	ppm	10	218	---	---

Depot: VOLVO2990
Unique No: 10668481
Signed: Jonathan Hester
Report Date: 28 Sep 2023



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GRAPHS

