



CONSTRUCTION EQUIPMENT

X58366 TADANO GR800XL-4 RA0866 - DIESEL ENGINE



Sample No: VCP413476
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X58366



SAMPLE INFORMATION

Sample Number	VCP413476	VCP386018	---	---
Sample Date	01 Aug 2023	27 Jan 2023	---	---
Machine Hours	2520	2166	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.5	---	---
Base Number (BN)	mg KOH/g	10.0	7.1	---	---
Oxidation (PA)	%	86	98	---	---

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 %	%	0.2	0.4	---	---
Nitration (PA)	%	63	102	---	---
Sulfation (PA)	%	64	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	15	---	---
Sodium	ppm	0	6	---	---
Potassium	ppm	2	3	---	---



WEAR METALS

Iron	ppm	13	70	---	---
Copper	ppm	10	41	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	3	---	---
Chromium	ppm	0	1	---	---
Molybdenum	ppm	43	39	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1688	1682	---	---
Magnesium	ppm	479	446	---	---
Zinc	ppm	1115	1028	---	---
Phosphorus	ppm	938	757	---	---
Barium	ppm	2	0	---	---
Boron	ppm	53	22	---	---

Depot: SCOSAI
Unique No: 10586143
Signed: Wes Davis
Report Date: 03 Aug 2023



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GRAPHS

