



CONSTRUCTION EQUIPMENT

X58123 TADANO GR100XLL-4 RA0765 - DIESEL ENGINE



Sample No: VCP400904
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X58123



SAMPLE INFORMATION

Sample Number	VCP400904	VCP304987	---	---
Sample Date	07 Jul 2023	21 Jun 2021	---	---
Machine Hours	2366	664	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.6	---	---
Base Number (BN)	mg KOH/g	10.3	---	---	---
Oxidation (PA)	%	90	73	---	---

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	0.2	---	---
Nitration (PA)	%	76	70	---	---
Sulfation (PA)	%	64	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	48	---	---
Sodium	ppm	4	6	---	---
Potassium	ppm	2	4	---	---



WEAR METALS

Iron	ppm	12	36	---	---
Copper	ppm	4	25	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	6	0	---	---
Chromium	ppm	0	1	---	---
Molybdenum	ppm	55	62	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	6	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2093	1790	---	---
Magnesium	ppm	648	379	---	---
Zinc	ppm	1330	1170	---	---
Phosphorus	ppm	1112	998	---	---
Barium	ppm	13	2	---	---
Boron	ppm	60	129	---	---

Depot: SCOSAI
Unique No: 10551647
Signed: Wes Davis
Report Date: 12 Jul 2023



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GRAPHS

