



CONSTRUCTION EQUIPMENT

HERC RENTALS VOLVO A30G 7535 12 - DIESEL ENGINE



Sample No: VCP454998
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: HERC RENTALS



SAMPLE INFORMATION

Sample Number	VCP454998	VCP432451	---	---
Sample Date	22 May 2024	14 Oct 2023	---	---
Machine Hours	1885	702	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.1	11.1	---	---
Base Number (BN)	mg KOH/g	5.3	5.4	---	---
Oxidation (PA)	%	85	65	---	---

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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.7	0.5	---	---
Nitration (PA)	%	89	91	---	---
Sulfation (PA)	%	70	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.3	---	---
Silicon	ppm	11	28	---	---
Sodium	ppm	3	1	---	---
Potassium	ppm	2	3	---	---



WEAR METALS

Iron	ppm	30	33	---	---
Copper	ppm	61	218	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	2	2	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	59	90	---	---
Nickel	ppm	6	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	2	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1910	2193	---	---
Magnesium	ppm	372	91	---	---
Zinc	ppm	1110	1093	---	---
Phosphorus	ppm	919	883	---	---
Barium	ppm	0	3	---	---
Boron	ppm	39	25	---	---

Depot: VOLVO0093
Unique No: 11050448
Signed: Don Baldrige
Report Date: 31 May 2024



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GRAPHS

