



CONSTRUCTION EQUIPMENT

CRISDEL GROUP VOLVO A30G 752177 - DIESEL ENGINE



Sample No: VCP390176
Oil Type: KENDALL 15W40
Job No: CRISDEL GROUP



SAMPLE INFORMATION

Sample Number	VCP390176	VCP358828	---	---
Sample Date	06 May 2023	29 Mar 2022	---	---
Machine Hours	1837	1180	---	---
Oil Hours	307	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	▲ 12.1	---	---
Base Number (BN)	mg KOH/g	9.9	■ 10.8	---	---
Oxidation (PA)	%	64	81	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	0.1	■ 0.2	---	---
Nitration (PA)	%	54	62	---	---
Sulfation (PA)	%	53	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.0	---	---
Silicon	ppm	3	■ 7	---	---
Sodium	ppm	2	■ 1	---	---
Potassium	ppm	0	■ 0	---	---



WEAR METALS

Iron	ppm	6	■ 15	---	---
Copper	ppm	9	■ 9	---	---
Lead	ppm	0	■ <1	---	---
Tin	ppm	<1	■ <1	---	---
Aluminum	ppm	<1	■ 2	---	---
Chromium	ppm	0	■ <1	---	---
Molybdenum	ppm	49	■ 52	---	---
Nickel	ppm	<1	■ 5	---	---
Titanium	ppm	3	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	■ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1382	■ 1652	---	---
Magnesium	ppm	743	■ 494	---	---
Zinc	ppm	1157	■ 947	---	---
Phosphorus	ppm	1018	■ 862	---	---
Barium	ppm	0	■ 0	---	---
Boron	ppm	27	■ 53	---	---

Depot: HOFPISNJ
Unique No: 10765812
Signed: Wes Davis
Report Date: 01 Dec 2023



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GRAPHS

