



CONSTRUCTION EQUIPMENT

CRISDEL GROUP VOLVO A30G 752177 - DIESEL ENGINE



Sample No: VCP390264
Oil Type: KENDALL 15W40
Job No: CRISDEL GROUP



SAMPLE INFORMATION

Sample Number	VCP390264	VCP390176	VCP358828	---
Sample Date	26 Aug 2023	06 May 2023	29 Mar 2022	---
Machine Hours	2114	1837	1180	---
Oil Hours	278	307	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	---	ATTENTION	---

HOFFMAN EQUIPMENT INC
 300 S RANDOLPHVILLE RD
 PISCATAWAY, NJ
 US 08854
 Contact: ANTHONY NALEWAJKO
 anthony.nalewajko@hoffmanequip.com
 T: (732)752-3600
 F: (732)968-8371



OIL CONDITION

Visc @ 100°C	cSt	13.1	---	▲ 12.1	---
Base Number (BN)	mg KOH/g	8.9	9.9	10.8	---
Oxidation (PA)	%	56	64	81	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.2	---
Nitration (PA)	%	58	54	62	---
Sulfation (PA)	%	51	53	64	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.0	---
Silicon	ppm	4	3	7	---
Sodium	ppm	2	2	1	---
Potassium	ppm	0	0	0	---



WEAR METALS

Iron	ppm	3	6	15	---
Copper	ppm	2	9	9	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	14	49	52	---
Nickel	ppm	0	<1	5	---
Titanium	ppm	62	3	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1692	1382	1652	---
Magnesium	ppm	487	743	494	---
Zinc	ppm	1168	1157	947	---
Phosphorus	ppm	1035	1018	862	---
Barium	ppm	0	0	0	---
Boron	ppm	116	27	53	---

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.

Depot: HOFPISNJ
Unique No: 10765811
Signed: Wes Davis
Report Date: 01 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

