



CONSTRUCTION EQUIPMENT

CRISDEL GROUP VOLVO A30G 752177 - DIESEL ENGINE



Sample No: VCP390268
Oil Type: KENDALL 15W40
Job No: CRISDEL GROUP



SAMPLE INFORMATION

Sample Number	VCP390268	VCP390264	VCP390176	VCP358828
Sample Date	13 Oct 2023	26 Aug 2023	06 May 2023	29 Mar 2022
Machine Hours	1530	2114	1837	1180
Oil Hours	349	278	307	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 100°C	cSt	12.3	13.1	12.8	▲ 12.1
Base Number (BN)	mg KOH/g	10.2	8.9	9.9	10.8
Oxidation (PA)	%	75	56	64	81

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	53	58	54	62
Sulfation (PA)	%	58	51	53	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	0.3	<1.0	<1.0	0.0
Silicon	ppm	3	4	3	7
Sodium	ppm	2	2	2	1
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	6	3	6	15
Copper	ppm	17	2	9	9
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	41	14	49	52
Nickel	ppm	<1	0	<1	5
Titanium	ppm	3	62	3	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	<1	<1	0



ADDITIVES

Calcium	ppm	1691	1692	1382	1652
Magnesium	ppm	494	487	743	494
Zinc	ppm	1075	1168	1157	947
Phosphorus	ppm	949	1035	1018	862
Barium	ppm	0	0	0	0
Boron	ppm	62	116	27	53

Depot: HOFPISNJ
Unique No: 10765810
Signed: Wes Davis
Report Date: 05 Dec 2023



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GRAPHS

