



CONSTRUCTION EQUIPMENT

CRISDEL GROUP INC VOLVO A30G 752177 - DIESEL ENGINE



Sample No: VCP390263
Oil Type: KENDALL 15W40
Job No: CRISDEL GROUP INC



SAMPLE INFORMATION

Sample Number	VCP390263	VCP390268	VCP390264	VCP390176
Sample Date	18 Dec 2023	13 Oct 2023	26 Aug 2023	06 May 2023
Machine Hours	2381	1530	2114	1837
Oil Hours	209	349	278	307
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	13.3	12.3	13.1	12.8
Base Number (BN)	mg KOH/g	9.4	10.2	8.9	9.9
Oxidation (PA)	%	55	75	56	64

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	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	51	53	58	54
Sulfation (PA)	%	50	58	51	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	0.3	<1.0	<1.0
Silicon	ppm	3	3	4	3
Sodium	ppm	1	2	2	2
Potassium	ppm	<1	0	0	0



WEAR METALS

Iron	ppm	4	6	3	6
Copper	ppm	<1	17	2	9
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	47	41	14	49
Nickel	ppm	0	<1	0	<1
Titanium	ppm	19	3	62	3
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	1517	1691	1692	1382
Magnesium	ppm	878	494	487	743
Zinc	ppm	1342	1075	1168	1157
Phosphorus	ppm	1154	949	1035	1018
Barium	ppm	0	0	0	0
Boron	ppm	35	62	116	27

Depot: HOFPISNJ
Unique No: 10949234
Signed: Wes Davis
Report Date: 27 Mar 2024



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GRAPHS

