



CONSTRUCTION EQUIPMENT

9245 VOLVO A30G 742561 - DIESEL ENGINE



Sample No: VCP408901
Oil Type: CHEVRON 15W40
Job No: 9245



SAMPLE INFORMATION

Sample Number	VCP408901	VCP404430	VCP369065	VCP364868
Sample Date	11 Jul 2023	27 Mar 2023	14 Dec 2022	12 Sep 2022
Machine Hours	3872	8448	3300	2987
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

PLEASANT EXCAVATING COMPANY INC
 24024 FREDERICK ROAD
 CLARKSBURG, MD
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 HTRENT@PLEASANTS.ORG
 T: (301)252-5635
 F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	▲ 12.1	▲ 12.1	▲ 11.9
Base Number (BN)	mg KOH/g	■ 7.5	■ 7.7	■ 9.6	■ 8.7
Oxidation (PA)	%	60	61	64	67

CONTAMINATION

Soot %	%	■ 0.2	■ 0.2	■ 0.2	■ 0.3
Nitration (PA)	%	56	55	65	62
Sulfation (PA)	%	58	60	63	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	■ 4	■ 4	■ 5	■ 5
Sodium	ppm	■ 1	■ 1	■ 2	■ 1
Potassium	ppm	■ <1	■ <1	■ 0	■ 3

WEAR METALS

Iron	ppm	■ 4	■ 5	■ 5	■ 6
Copper	ppm	■ <1	■ <1	■ <1	■ <1
Lead	ppm	■ 0	■ 0	■ <1	■ <1
Tin	ppm	■ <1	■ <1	■ 1	■ <1
Aluminum	ppm	■ 1	■ 2	■ 2	■ 4
Chromium	ppm	■ <1	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 89	■ 95	■ 105	■ 106
Nickel	ppm	■ 0	■ 0	■ 0	■ 0
Titanium	ppm	1	2	<1	<1
Silver	ppm	■ 0	■ 0	■ 0	■ <1
Manganese	ppm	■ <1	■ <1	■ <1	■ <1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	■ 1401	■ 1501	■ 1549	■ 1338
Magnesium	ppm	■ 439	■ 516	■ 577	■ 451
Zinc	ppm	■ 1173	■ 1166	■ 924	■ 1020
Phosphorus	ppm	■ 974	■ 966	■ 792	■ 847
Barium	ppm	■ 0	■ 0	■ 0	■ 2
Boron	ppm	■ 400	■ 384	■ 311	■ 369

Diagnosis

Oil and filter change at the time of sampling has been noted. 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.

Depot: PLECLA
Unique No: 10573004
Signed: Sean Felton
Report Date: 27 Jul 2023



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GRAPHS

