



CONSTRUCTION EQUIPMENT

TOLSON RESAMPLE VOLVO A25G 742 141 - DIESEL ENGINE



Sample No: VCP408898
Oil Type: CHEVRON 15W40
Job No: TOLSON RESAMPLE



SAMPLE INFORMATION

Sample Number	VCP408898	VCP416473	VCP392616	VCP366625
Sample Date	31 Jul 2023	12 Jul 2023	24 Feb 2023	30 Aug 2022
Machine Hours	3199	3101	2734	2497
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

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 F:

OIL CONDITION

Visc @ 100°C	cSt	12.9	12.1	11.5	12.1
Base Number (BN)	mg KOH/g	8.5	9.6	7.8	9.5
Oxidation (PA)	%	59	70	61	69

CONTAMINATION

Soot %	%	0.1	0.3	0.2	0.2
Nitration (PA)	%	42	56	54	59
Sulfation (PA)	%	57	57	60	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.1	2.2	3.4	<1.0
Silicon	ppm	2	4	6	6
Sodium	ppm	0	1	2	2
Potassium	ppm	2	0	2	12

WEAR METALS

Iron	ppm	2	6	3	5
Copper	ppm	<1	<1	0	1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	2	4
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	90	42	114	158
Nickel	ppm	0	0	0	0
Titanium	ppm	2	<1	0	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	<1

ADDITIVES

Calcium	ppm	1576	1787	1531	1445
Magnesium	ppm	398	450	556	570
Zinc	ppm	1277	1104	962	911
Phosphorus	ppm	1144	910	746	758
Barium	ppm	2	0	0	0
Boron	ppm	533	77	346	396

Diagnosis

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 acceptable for the time in service.

Depot: PLECLA
Unique No: 10586155
Signed: Don Baldrige
Report Date: 05 Aug 2023



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GRAPHS

