



CONSTRUCTION EQUIPMENT

A10573 VOLVO A35D 72130 - DIESEL ENGINE



Sample No: VCP408933
Oil Type: MOBIL 15W40
Job No: A10573



SAMPLE INFORMATION

Sample Number	VCP408933	VCP398890	VCP378601	VCP372038
Sample Date	27 Jun 2023	28 Apr 2023	19 Aug 2022	10 Jun 2022
Machine Hours	12050	11781	11170	10833
Oil Hours	250	0	250	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DYER QUARRY
P.O. BOX 188, 1275 ROCK HOLLOW ROAD
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OIL CONDITION

Visc @ 100°C	cSt	12.8	11.9	12.7	12.7
Base Number (BN)	mg KOH/g	10.2	7.3	8.2	11.0
Oxidation (PA)	%	79	57	60	80

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

Soot %	%	0.6	0.5	0.7	0.4
Nitration (PA)	%	62	60	78	53
Sulfation (PA)	%	64	56	57	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	1.3	<1.0	<1.0
Silicon	ppm	9	11	8	8
Sodium	ppm	3	2	0	1
Potassium	ppm	0	2	1	<1



WEAR METALS

Iron	ppm	14	16	17	11
Copper	ppm	<1	1	2	<1
Lead	ppm	0	2	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	2	4	2
Chromium	ppm	<1	1	1	<1
Molybdenum	ppm	44	73	81	41
Nickel	ppm	0	1	0	0
Titanium	ppm	<1	2	<1	2
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1679	1406	2038	1613
Magnesium	ppm	487	315	95	499
Zinc	ppm	1092	1132	1178	1158
Phosphorus	ppm	920	941	1024	946
Barium	ppm	0	0	0	0
Boron	ppm	81	264	46	68

Depot: DYEBIR
Unique No: 10547698
Signed: Wes Davis
Report Date: 07 Jul 2023



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GRAPHS

