



CONSTRUCTION EQUIPMENT

25926 VOLVO A30G 740267 - DIESEL ENGINE



Sample No: VCP447707
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25926



SAMPLE INFORMATION

Sample Number	VCP447707	VCP416534	VCP399716	VCP359935
Sample Date	19 Jun 2024	01 Nov 2023	12 Jan 2023	12 May 2022
Machine Hours	6627	5992	5395	4901
Oil Hours	0	0	1000	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.6	12.0	12.0
Base Number (BN)	mg KOH/g	8.3	9.0	9.3	9.0
Oxidation (PA)	%	76	84	78	72

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.3	0.3	0.2
Nitration (PA)	%	68	70	66	60
Sulfation (PA)	%	60	62	60	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	7	6
Sodium	ppm	1	3	<1	<1
Potassium	ppm	1	<1	0	0

WEAR METALS

Iron	ppm	13	10	8	7
Copper	ppm	1	3	<1	<1
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	<1	1	<1
Aluminum	ppm	3	3	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	55	45	42	45
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1677	1791	1684	1654
Magnesium	ppm	512	559	520	570
Zinc	ppm	1209	1248	1083	1091
Phosphorus	ppm	1044	976	878	961
Barium	ppm	<1	0	0	0
Boron	ppm	86	38	29	62

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.

Depot: SANNOR
Unique No: 11102345
Signed: Angela Borella
Report Date: 01 Jul 2024



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VOLVO GRAPHS

